

<b>MATERIAL - PRODUCT</b>	<b>Locations Areas Used</b>	<b>Link for SDS</b>	<b>SDS ON HAND</b>
Duct Liner (insulation)	Shop/WH/Jobsites etc	<a href="https://www.jm.com/content/dam/jm/global/en/MSDS/200000005089_US_EN.pdf">https://www.jm.com/content/dam/jm/global/en/MSDS/200000005089_US_EN.pdf</a>	Yes
Duct Wrap (insulation)	Shop/WH/Jobsites etc	<a href="https://www.jm.com/content/dam/jm/global/en/MSDS/200000002117_US_3F.pdf">https://www.jm.com/content/dam/jm/global/en/MSDS/200000002117_US_3F.pdf</a>	Yes
Wet Patch- Mastic Sealant	Shop/WH/Jobsites etc	<a href="https://henry.com/fileadmin/pdf/current/msds/HE208_msds.pdf">https://henry.com/fileadmin/pdf/current/msds/HE208_msds.pdf</a>	Yes
Metacaulk Fire Sealant	Shop/WH/Jobsites etc	<a href="https://rectorseal.com/metacaulk-1000-group/">https://rectorseal.com/metacaulk-1000-group/</a>	Yes
Duct Sealant - 1030	Shop/WH/Jobsites etc	<a href="https://designpoly.com/wp-content/uploads/SEALANT/DP1030/DP-1030-Gray-SDS.pdf">https://designpoly.com/wp-content/uploads/SEALANT/DP1030/DP-1030-Gray-SDS.pdf</a>	Yes
Duct Sealant - 1010	Shop/WH/Jobsites etc	<a href="https://designpoly.com/wp-content/uploads/SEALANT/DP1010/DP-1010-SDS.pdf">https://designpoly.com/wp-content/uploads/SEALANT/DP1010/DP-1010-SDS.pdf</a>	Yes
Duct Liner Adhesive 2502	Shop/WH/Jobsites etc	<a href="https://www.generalinsulation.com/wp-content/uploads/2015/11/DP-2502-SDS-1.pdf">https://www.generalinsulation.com/wp-content/uploads/2015/11/DP-2502-SDS-1.pdf</a>	Yes
PVC GLUE-705	Shop/WH/Jobsites etc	<a href="https://weldon.com/wp-content/uploads/2015/03/SDS_WELD-ON_705_CLEAR_US_en_1_0.pdf">https://weldon.com/wp-content/uploads/2015/03/SDS_WELD-ON_705_CLEAR_US_en_1_0.pdf</a>	Yes
PVC-ABS GLUE-794	Shop/WH/Jobsites etc	<a href="https://weldon.com/wp-content/uploads/2015/03/SDS_WELD-ON_794_ULVOC_GREEN_US_en_1_0.pdf">https://weldon.com/wp-content/uploads/2015/03/SDS_WELD-ON_794_ULVOC_GREEN_US_en_1_0.pdf</a>	Yes
PVC PRIMER -P70	Shop/WH/Jobsites etc	<a href="https://weldon.com/wp-content/uploads/2015/02/SDS_WELD-ON_P-70_CLEAR_PURPLE_PRIMER_US_en_1_0.pdf">https://weldon.com/wp-content/uploads/2015/02/SDS_WELD-ON_P-70_CLEAR_PURPLE_PRIMER_US_en_1_0.pdf</a>	Yes
DUCT TAPE - 223	Shop/WH/Jobsites etc	<a href="https://www.webpackaging.com/Up/Comp/7347/13212159/13179731-VGOXHTKN/f/TDSPolyken223_020222.pdf">https://www.webpackaging.com/Up/Comp/7347/13212159/13179731-VGOXHTKN/f/TDSPolyken223_020222.pdf</a>	Yes
FOIL TAPE -339	Shop/WH/Jobsites etc	<a href="https://www.webpackaging.com/Up/Comp/7347/13212159/13179771-IXQWFBHH/f/5279_TDSPolyken339_0209018.pdf">https://www.webpackaging.com/Up/Comp/7347/13212159/13179771-IXQWFBHH/f/5279_TDSPolyken339_0209018.pdf</a>	Yes
FOIL FLEX TAPE-UL181	Shop/WH/Jobsites etc	<a href="https://www.webpackaging.com/Up/Comp/7347/13212159/13179717-VDHIHGH/f/5909_TDSPolyken557_052818.pdf">https://www.webpackaging.com/Up/Comp/7347/13212159/13179717-VDHIHGH/f/5909_TDSPolyken557_052818.pdf</a>	Yes
CORK TAPE 6-330	Shop/WH/Jobsites etc	<a href="https://s3-us-west-2.amazonaws.com/catsy.898/Safety+Data+Sheet++Cork+Insulation+Tape+6-330.pdf">https://s3-us-west-2.amazonaws.com/catsy.898/Safety+Data+Sheet++Cork+Insulation+Tape+6-330.pdf</a>	Yes
SPRAY PAINTS	Shop/WH/Jobsites etc	<a href="https://images.thdstatic.com/catalog/pdfimages/d6/d665faad-e7b8-47db-a068-cdc742b39ead.pdf">https://images.thdstatic.com/catalog/pdfimages/d6/d665faad-e7b8-47db-a068-cdc742b39ead.pdf</a>	Yes
DEGALVINIZER- STRIPPER	Shop/WH/Jobsites etc	<a href="https://durodyne.com/msds/STRIPPER_SDS.pdf">https://durodyne.com/msds/STRIPPER_SDS.pdf</a>	Yes
NASHUA 357 ADHESIVE	Shop/WH/Jobsites etc	<a href="https://www.rsd.net/assets/item/1547.pdf">https://www.rsd.net/assets/item/1547.pdf</a>	

**HAZARDOUS MATERIAL- SDS INVENTORY ROSTER  
INSULATION-ADHESIVE-PAINT-TAPE ETC.**



**Fiberglass Duct Liner HVAC Insulation**

Version 1.0

Revision Date 01/27/2021

Print Date 01/27/2021

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Trade name : Linacoustic® RC, Linacoustic® RC-HP

**Manufacturer or supplier's details**

Company : Johns Manville  
Address : P.O. Box 5108  
Denver, CO USA 80127  
Telephone : +1-303-978-2000  
Emergency telephone number : 24-Hour Number: +1-800-424-9300 (CHEMTREC)

Company : Johns Manville Canada Inc.  
Address : 5301 42 Avenue  
Innisfail, AB Canada T4G 1A2  
Telephone : +1-303-978-2000  
Emergency telephone number : 24-Hour Number: +1-800-424-9300 (CHEMTREC)

**Recommended use of the chemical and restrictions on use**

Recommended use : thermal and/or acoustic insulation  
Restrictions on use : For professional users only.  
Prepared by : productsafety@jm.com

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with 29 CFR 1910.1200 (OSHA HCS 2012) and the Hazardous Products Regulations (WHMIS 2015)**

Not a hazardous substance or mixture.

**GHS label elements**

Not a hazardous substance or mixture.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical nature**

Glass fiber product

**Hazardous components**

Non-hazardous according to 29 CFR 1910.1200 (OSHA HCS 2012) and the Hazardous Products Regulations (WHMIS 2015), when used as intended.

**Relevant ingredients**

Chemical name	CAS-No.	Concentration (%)
non-biopersistent (biosoluble) glass fibers	Not Assigned	>= 70 - <= 90 %
cured urea-extended phenol-formaldehyde resin	Not Assigned	>= 10 - <= 20 %

**SECTION 4. FIRST AID MEASURES**

## Fiberglass Duct Liner HVAC Insulation

Version 1.0

Revision Date 01/27/2021

Print Date 01/27/2021

General advice	:	Handle in accordance with good industrial hygiene and safety practice.
If inhaled	:	Remove person to fresh air. If signs/symptoms continue, get medical attention.
In case of skin contact	:	In case of contact, flush skin with plenty of water for at least 5 minutes while removing contaminated clothing and shoes. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.
In case of eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If easy to do, remove contact lens, if worn. Protect unharmed eye. If eye irritation persists, consult a specialist.
If swallowed	:	Rinse mouth with water to remove dust or fibers and drink plenty of water to help reduce irritation. If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed	:	Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon exposure to fibers or dust during handling of this product and cannot occur unless there is direct contact. Abrasion effects should subside after cessation of exposure.
Protection of first-aiders	:	If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	:	Treat symptomatically.

### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Carbon dioxide (CO2) Foam Dry powder Water
Unsuitable extinguishing media	:	none
Specific hazards during firefighting	:	Under the influence of high temperatures, e.g. during a fire in the warehouse, decomposition products like carbon oxide may be released due to the low content of organic compounds.
Hazardous combustion products	:	carbon oxides nitrogen oxides
Specific extinguishing methods	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Avoid dust formation.
Environmental precautions	:	Should not be released into the environment.
Methods and materials for containment and cleaning up	:	Clean up promptly by scoop or vacuum. Pick up and arrange disposal without creating dust.

## Fiberglass Duct Liner HVAC Insulation

Version 1.0

Revision Date 01/27/2021

Print Date 01/27/2021

### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Provide appropriate exhaust ventilation at places where dust is formed.
- Advice on safe handling : Smoking, eating and drinking should be prohibited in the application area.  
 Minimize dust generation and accumulation.  
 Do not breathe vapours/dust.  
 Do not get in eyes or mouth or on skin.  
 For personal protection see section 8.
- Conditions for safe storage : Keep in a dry, cool place.
- Materials to avoid : No materials to be especially mentioned.
- Further information on storage stability : Stable at normal ambient temperature and pressure.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Synthetic vitreous fibers, glass wool fibers	Not Assigned	TWA (fibers)	1 fibers/cm <sup>3</sup>	ACGIH
Particulates (insoluble or poorly soluble) Not Otherwise Specified (PNOS)	Not Assigned	TWA (respirable particles)	3 mg/m <sup>3</sup>	ACGIH
		TWA (inhalable particles)	10 mg/m <sup>3</sup>	ACGIH
Particulates Not Otherwise Regulated (PNOR)	Not Assigned	TWA (respirable)	5 mg/m <sup>3</sup>	NIOSH REL
		TWA (total)	10 mg/m <sup>3</sup>	NIOSH REL
		TWA (total dust)	15 mg/m <sup>3</sup>	OSHA
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA
Fibrous glass dust	Not Assigned	TWA	3 fibers/cm <sup>3</sup>	NIOSH REL
		TWA (total)	5 mg/m <sup>3</sup>	NIOSH REL

As a member of the North American Insulation Manufacturers Association (NAIMA), JM subscribes to the NAIMA Product Stewardship Program (NPSP). Under the NPSP, JM recommends that exposures be limited to the voluntary concentration of 1 f/cc TWA. The NPSP also includes work practice and respiratory protection recommendations. For more information, see NAIMA's Health and Safety Reference Library (website: <http://insulationinstitute.org/tools-resources/resource-library/health-safety/>) to find the Product Stewardship Program Pocket Folder (N052) and other Fact Sheets.

**Engineering measures** : Use a local and/or general ventilation system.

**Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally

## Fiberglass Duct Liner HVAC Insulation

Version 1.0

Revision Date 01/27/2021

Print Date 01/27/2021

	required. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
Hand protection Material	: Protective gloves
Remarks	: For prolonged or repeated contact use protective gloves.
Eye protection	: Safety glasses with side-shields
Skin and body protection	: Wear protective clothing, such as long-sleeved shirts and pants. Remove and wash contaminated clothing before re-use.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: roll
Colour	: black
Odour	: slight
Odour Threshold	: No data available
pH	: Not applicable
	: Not applicable
	: Not applicable
Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: Not applicable
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Vapour pressure	: Not applicable
Relative vapour density	: Not applicable
Relative density	: No data available
Solubility(ies)	
Water solubility	: insoluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: Not applicable
Auto-ignition temperature	: No data available
Thermal decomposition	: Not applicable

**Fiberglass Duct Liner HVAC Insulation**

Version 1.0

Revision Date 01/27/2021

Print Date 01/27/2021

Viscosity	
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: Not applicable

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: None known.
Conditions to avoid	: Trace amounts of formaldehyde may be released when in contact with moisture, including humidity. This release is most prevalent in conditions of high heat and humidity.
Incompatible materials	: hydrofluoric acid
Hazardous decomposition products	: To avoid thermal decomposition, do not overheat.

**SECTION 11. TOXICOLOGICAL INFORMATION**

<b>IARC</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA (29 CFR 1910 Subpart Z, Toxic and Hazardous Substances).
<b>NTP</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Further information****Product:**

Remarks: Temporary mechanical abrasion (itching) of skin, eyes and respiratory tract may occur upon exposure to fibers or dust during handling of this product and cannot occur unless there is direct contact. Abrasion effects should subside after cessation of exposure. Trace amounts of formaldehyde may be released when in contact with moisture, including humidity. This release is most prevalent in conditions of high heat and humidity.

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Fiberglass Duct Liner HVAC Insulation**

Version 1.0

Revision Date 01/27/2021

Print Date 01/27/2021

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82  
Protection of Stratospheric Ozone - CAA Section 602 Class I  
Substances  
Remarks: This product neither contains, nor was  
manufactured with a Class I or Class II ODS as defined by the  
U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +  
B).

Additional ecological information : Due to the properties of the product, a hazard to the  
environment may not be expected.

**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Dispose of contents/container to an approved facility in  
accordance with local, regional, national and international  
regulations.

**SECTION 14. TRANSPORT INFORMATION****International transport regulations**

## Land transport

USDOT: Not classified as a dangerous good under transport regulations

TDG: Not classified as a dangerous good under transport regulations

## Sea transport

IMDG: Not classified as a dangerous good under transport regulations

## Air transport

IATA/ICAO: Not classified as a dangerous good under transport regulations

**SECTION 15. REGULATORY INFORMATION****TSCA list**

TSCA - 5(a) Significant New Use Rule List of Chemicals : Not relevant

U.S. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpart D) : Not relevant

**SARA 311/312 Hazards** : No SARA Hazards



**Fiberglass Duct Liner HVAC Insulation**

Version 1.0

Revision Date 01/27/2021

Print Date 01/27/2021

- SARA 302** : This material does not contain any components with a section 302 EHS TPQ.
- SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMII Intermediate or Final VOC's (40 CFR 60.489).

**California Prop. 65**

This product does not require a warning under the California Safe Drinking Water and Toxic Enforcement Act (Proposition 65).

**The components of this product are reported in the following inventories:**

- TSCA : On the inventory, or in compliance with the inventory
- DSL : On the inventory, or in compliance with the inventory

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**SECTION 16. OTHER INFORMATION****Further information**

Revision Date : 01/27/2021

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



**Formaldehyde-free™ Fiberglass Duct Wrap HVAC Insulation**

Version 2.2

Date de révision 01/25/2021

Date d'impression 01/25/2021

**SECTION 1. IDENTIFICATION DU PRODUIT ET DE LA SOCIÉTÉ**

Nom commercial : Flex-Glas® PC, MICROLITE® Black PSK, MICROLITE® FSK, MICROLITE® Unfaced, MICROLITE® White PSK

Détails concernant le fabricant ou le fournisseur

Société : Johns Manville  
Adresse : P.O. Box 5108  
Denver, CO USA 80127  
Téléphone : +1-303-978-2000  
Numéro de téléphone en cas d'urgence : Numéro 24 heures: +1-800-424-9300 (CHEMTREC)

Société : Johns Manville Canada, Inc.  
Adresse : 5301 42 Avenue  
Innisfail, AB Canada T4G 1A2  
Téléphone : +1-303-978-2000  
Numéro de téléphone en cas d'urgence : Numéro 24 heures: +1-800-424-9300 (CHEMTREC)

Préparé par : productsafety@jm.com

**SECTION 2. IDENTIFICATION DES DANGERS**

**Classement SGH en conformité avec le règlement 29 CFR 1910.1200 (OSHA HCS 2012) et les règlements sur les produits dangereux (SIMDUT 2015)**

Pas une substance ni un mélange dangereux.

**Éléments étiquette SGH**

Pas une substance ni un mélange dangereux.

**Autres dangers**

Inconnu.

**SECTION 3. COMPOSITION/INFORMATION SUR LES COMPOSANTS**

**Nature chimique**

Produit de fibres de verre

**Composants dangereux**

Non dangereux selon la norme 29 CFR 1910.1200 (OSHA HCS 2012) et les règlements sur les produits dangereux (SIMDUT 2015), lorsqu'il est utilisé comme prévu.

**Ingrédients pertinents**

Nom Chimique	No. CAS	Concentration (%)
fibres de verre non biopersistentes (biosolubles)	Non attribuée	>= 80 - <= 100 %

**SECTION 4. PREMIERS SOINS**

Conseils généraux : Faire appel à une assistance médicale si des symptômes apparaissent.

En cas d'inhalation : Amener la victime à l'air libre.

**Formaldehyde-free™ Fiberglass Duct Wrap HVAC Insulation**

Version 2.2

Date de révision 01/25/2021

Date d'impression 01/25/2021

En cas de contact avec la peau	:	Si les symptômes persistent, consulter un médecin. Enlever immédiatement tout vêtement souillé. Si la personne en a sur la peau, bien rincer à l'eau. Faire appel à une assistance médicale si de l'irritation se développe et persiste. Laver les vêtements contaminés avant de les réutiliser.
En cas de contact avec les yeux	:	En cas de contact oculaire, retirez les lentilles et rincez immédiatement et abondamment avec de l'eau, aussi sous les paupières, pendant 15 minutes au moins. Si l'irritation oculaire persiste, consulter un médecin spécialiste.
En cas d'ingestion	:	Si les symptômes persistent, consulter un médecin. Rincer la bouche avec de l'eau pour enlever la poussière ou de fibres et de boire beaucoup d'eau pour aider à réduire.
Symptômes et effets les plus importants, aigus et différés	:	Inconnu.

**SECTION 5. MESURES DE LUTTE CONTRE L'INCENDIE**

Moyen d'extinction approprié	:	Utiliser des moyens d'extinction appropriés aux conditions locales et à l'environnement immédiat.
Équipement de protection spécial pour les pompiers	:	Si nécessaire, porter un appareil respiratoire autonome lors de la lutte contre l'incendie.

**SECTION 6. MESURES À PRENDRE EN CAS DE DÉVERSEMENT ACCIDENTEL**

Précautions individuelles, équipement de protection et procédures d'urgence	:	Éviter la formation de poussière.
Méthodes et matières pour le confinement et le nettoyage	:	Recueillir mécaniquement. Ramasser et évacuer sans créer de poussière.

**SECTION 7. MANIPULATION ET ENTREPOSAGE**

Indications pour la protection contre l'incendie et l'explosion	:	Fournir une ventilation aspirante adéquate aux endroits où la poussière se forme.
Conseils pour une manipulation sans danger	:	Équipement de protection individuelle, voir la section 8. Ne pas manger, fumer ou boire dans la zone où se fait l'application.
Conditions de stockage sûres	:	Conserver dans un endroit sec et frais.
Matières à éviter	:	Pas de matières à signaler spécialement.
D'autres informations sur la stabilité du stockage	:	Stable à température et pression ambiantes normales.

**SECTION 8. MESURES DE CONTRÔLE DE L'EXPOSITION/PROTECTION INDIVIDUELLE**
**Composants avec valeurs limites d'exposition professionnelle**

Composants	No. CAS	Type de	Paramètres de	Base
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**Formaldehyde-free™ Fiberglass Duct Wrap HVAC Insulation**

Version 2.2

Date de révision 01/25/2021

Date d'impression 01/25/2021

		valeur (Type d'exposition)	contrôle / Concentration admissible	
Fibres vitreuses synthétiques, fibres de verre	Non attribuée	TWA	1 fibres/cm <sup>3</sup>	ACGIH
Poussière inerte ou nuisible, Particules non réglementées par ailleurs (PNOR)	Non attribuée	PEL (Poussière totale)	15 mg/m <sup>3</sup>	OSHA
		PEL (Fraction respirable)	5 mg/m <sup>3</sup>	OSHA

En tant que membre de la "North American Insulation Manufacturers Association (NAIMA)", JM souscrit au Programme Product Stewardship de la NAIMA (NPSP). Sous le NPSP, JM recommande que les expositions soient limitées à la concentration volontaire de 1 fibre / ccm TWA. Le NPSP comprend également la pratique du travail et les recommandations de protection respiratoire. Pour plus d'informations, voir NAIMA's référence Santé et Sécurité sur le site internet <http://insulationinstitute.org/tools-resources/resource-library/health-safety/> ou vous trouvez aussi la brochure de poche sur le "Product Stewardship Program" (N052) et d'autres fiches descriptives.

**Équipement de protection individuelle**

- Protection respiratoire : Aucun équipement de protection respiratoire individuel n'est normalement nécessaire. Lorsque les travailleurs sont confrontés à des concentrations supérieures aux limites d'exposition, ils doivent porter des appareils de protection respiratoire agréés appropriés.
- Protection des mains  
Matériau : Gants de protection
- Remarques : En cas de contact prolongé ou répété, utiliser des gants de protection.
- Protection des yeux : Lunettes de sécurité
- Protection de la peau et du corps : Porter des vêtements de protection: chemise à manches longues et pantalon. Changer de vêtements de travail à chaque quart de travail. Enlever et laver les vêtements contaminés avant réutilisation.
- Mesures d'hygiène : A manipuler conformément aux normes d'hygiène industrielle et aux consignes de sécurité.

**SECTION 9. PROPRIÉTÉS PHYSIQUES ET CHIMIQUES**

- Aspect : bande
- Couleur : blanc, argent, noir
- Odeur : légère
- Seuil de l'odeur : Donnée non disponible
- pH : Sans objet
- Point de fusion/congélation : Sans objet
- Point d'ébullition initial et intervalle d'ébullition : Sans objet
- Point d'éclair : Sans objet
- Taux d'évaporation : Sans objet
- Inflammabilité (solide, gaz) : Donnée non disponible
- Limite d'explosivité, : Sans objet

**Formaldehyde-free™ Fiberglass Duct Wrap HVAC Insulation**

Version 2.2

Date de révision 01/25/2021

Date d'impression 01/25/2021

supérieure

Limite d'explosivité, inférieure	: Sans objet
Pression de vapeur	: Sans objet
Densité de vapeur relative	: Sans objet
Densité relative	: Donnée non disponible
Densité	: Sans objet
Solubilité	
Solubilité dans l'eau	: Sans objet
Solubilité dans d'autres solvants	: Donnée non disponible
Coefficient de partage (n-octanol/eau)	: Donnée non disponible
Température d'auto-inflammation	: Donnée non disponible
Décomposition thermique	: Sans objet
Viscosité	
Viscosité, dynamique	: Sans objet
Viscosité, cinématique	: Sans objet

**SECTION 10. STABILITÉ ET RÉACTIVITÉ**

Réactivité	: Pas de réactions dangereuses connues dans les conditions normales d'utilisation.
Stabilité chimique	: Stable dans des conditions normales.
Possibilité de réactions dangereuses	: Pas de décomposition dans les conditions normales d'entreposage.
Conditions à éviter	: Donnée non disponible

**SECTION 11. INFORMATIONS TOXICOLOGIQUES**

<b>IARC</b>	Aucun composant de ce produit présent à des concentrations supérieures ou égales à 0.1% n'a été identifié comme cancérigène probable, possible ou reconnu pour l'homme par l'IARC (Agence internationale de recherche sur le cancer).
<b>ACGIH</b>	Aucun composant de ce produit présent à des niveaux supérieurs ou égaux à 0.1 % n'est identifié comme cancérigène ou potentiellement cancérigène par l'ACGIH (Conférence américaine des hygiénistes industriels gouvernementaux).
<b>OSHA</b>	Aucun composant de ce produit présent à des concentrations plus grandes que ou égales à 0.1% n'a été identifié comme cancérigène ni comme cancérigène possible par OSHA (29 CFR 1910 Subpart Z, Substances Toxiques et Dangereuses).
<b>NTP</b>	Aucun composant de ce produit présent à des concentrations

**Formaldehyde-free™ Fiberglass Duct Wrap HVAC Insulation**

Version 2.2

Date de révision 01/25/2021

Date d'impression 01/25/2021

plus grandes que ou égales à 0.1% n'a été identifié comme cancérogène reconnu ou présumé par NTP (Programme national de toxicologie - Etats-Unis).

**Autres informations****Produit:**

Remarques: Abrasion mécanique temporaire (démangeaison) de la peau, des yeux et des voies respiratoires peut se produire lors de l'exposition à des fibres ou de la poussière lors de la manipulation de ce produit et ne peut pas se produire sans contact direct.

**SECTION 12. INFORMATIONS ÉCOLOGIQUES****Écotoxicité**

Donnée non disponible

**Persistance et dégradabilité**

Donnée non disponible

**Potentiel bioaccumulatif**

Donnée non disponible

**Mobilité dans le sol**

Donnée non disponible

**Autres effets néfastes****Produit:**

Information écologique supplémentaire : Vu les propriétés de ce produit, aucun danger écologique est prévisible.

**SECTION 13. CONSIDERATIONS RELATIVES À L'ÉLIMINATION****Méthodes d'élimination**

Déchets de résidus : Éliminer le contenu/le contenant dans un site agréé en conformité avec les règlements locaux, régionaux, nationaux et internationaux.

**SECTION 14. INFORMATIONS RELATIVES AU TRANSPORT****Réglementations pour le transport international**

Transport terrestre

USDOT: Produit non dangereux au sens des réglementations de transport

TMD: Produit non dangereux au sens des réglementations de transport

Transport maritime

IMDG: Produit non dangereux au sens des réglementations de transport

Transport aérien

IATA/ICAO: Produit non dangereux au sens des réglementations de transport

**Formaldehyde-free™ Fiberglass Duct Wrap HVAC Insulation**

Version 2.2

Date de révision 01/25/2021

Date d'impression 01/25/2021

**SECTION 15. INFORMATIONS RÉGLEMENTAIRES****Liste TSCA**TSCA - 5(a) Nouvelle Réglementation Importante : Non pertinent  
Liste de Produits ChimiquesToxic Substances Control Act (TSCA) des États-  
Unis Section 12(b) Notification d'exportation (40  
CFR 707, sous-partie D) : Non pertinent**EPCRA - Emergency Planning and Community Right-to-Know****CERCLA Quantité à déclarer**

Ce produit ne contient aucun composant ayant une quantité à déclarer sous CERCLA.

**Substances extrêmement dangereuses sous SARA 304 Quantité à déclarer**

Ce produit ne contient aucun composant ayant une quantité à déclarer sous 304 EHS RQ.

**SARA 311/312 Dangers** : Pas de risque selon SARACe produit ne contient aucun polluant atmosphérique dangereux tel que défini à la section 112 (40  
CFR 61) de la loi sur la qualité de l'air (Clean Air Act) des États-Unis.Ce produit ne contient aucun produit chimique listé sous le U.S. Clean Air Act Section 112(r) for  
Accidental Release Prevention (40 CFR 68.130, Subpart F).**Prop. 65 de la Californie**Ce produit ne nécessite pas d'avertissement en vertu de la loi californienne „Safe Drinking Water  
and Toxic Enforcement Act (Proposition 65)“.**Les composants de ce produit figurent dans les inventaires suivants:**

TSCA : En conformité avec les inventaires

DSL : En conformité avec les inventaires

**SECTION 16. AUTRES INFORMATIONS****Autres informations**

Date de révision : 01/25/2021

Les informations contenues dans la présente fiche signalétique ont été établies sur la base de nos connaissances à la date de publication de ce document. Ces informations ne sont données qu'à titre indicatif en vue de permettre des opérations de manipulation, utilisation, fabrication, entreposage, transport, élimination, mise à disposition, utilisation et élimination dans des conditions satisfaisantes de sécurité, et ne sauraient donc être interprétées comme une garantie ou considérées comme des spécifications de qualité. Ces informations ne concernent en outre que le produit nommé désigné et, sauf indication contraire spécifique, peuvent ne pas être applicables en cas de mélange dudit produit avec d'autres substances ou utilisables pour tout procédé de fabrication.



# SAFETY DATA SHEET



Issue Date 25-Jan-2016

Revision Date 28-Sep-2020

Version 4

## 1. IDENTIFICATION

### Product identifier

**Product Name** WET PATCH ROOF CEMENT

### Other means of identification

**Product Code** HE208

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Coatings Sealant

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Supplier Address**

HENRY COMPANY  
15 Wallsend Dr.  
Scarborough, ON M1E 3X6  
Canada  
Web Site: [www.henry.com](http://www.henry.com)  
[www.ca.henry.com](http://www.ca.henry.com)

#### **Manufacturer Address**

HENRY COMPANY  
999 N. Pacific Coast Hwy., Suite 800  
El Segundo, CA 90245-2716  
Web Site: [www.henry.com](http://www.henry.com) [www.ca.henry.com](http://www.ca.henry.com)

### Emergency telephone number

**Company Phone Number** 800-486-1278

**Emergency Telephone** US and Canada only (toll-free) : 3E Company - 1-866-519-4752 (access code 334832)  
US/Canada, all other countries: 3E Company - +1-760-476-3962 (access code 334832)  
Mexico (additional contact option): 3E Company - +52 55 41696225 (Code 334832)

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

and Canadian Workplace Hazardous Material Information System (WHMIS)

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 3

### Label elements

#### Emergency Overview

#### Warning

#### **Hazard statements**

Causes skin irritation  
Causes serious eye irritation  
May cause respiratory irritation. May cause drowsiness or dizziness  
Flammable liquid and vapor



**Appearance** viscous

**Physical state** liquid

**Odor** Solvent

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
 Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area  
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ ventilating / lighting/ mixing / equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 If eye irritation persists: Get medical advice/attention  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 If skin irritation occurs: Get medical advice/attention  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a POISON CENTER or doctor/physician if you feel unwell  
 In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep container tightly closed  
 Store locked up  
 Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Other Information**

May be harmful in contact with skin. Harmful to aquatic life with long lasting effects. Harmful to aquatic life.

**Unknown acute toxicity**

0% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substance**

Not applicable

**Mixture**

Chemical Name	CAS No	Weight-%
Asphalt *	8052-42-4	15 - 40

Limestone *	1317-65-3	10 - 30
Solvent naphtha, petroleum, medium aliphatic *	64742-88-7	10 - 30
Fullers earth *	8031-18-3	7 - 13
Cellulose *	9004-34-6	3 - 7

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

##### Description of first aid measures

<b>General advice</b>	Immediate medical attention is required. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<b>Eye contact</b>	Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.
<b>Skin contact</b>	Wash off immediately with plenty of water.
<b>Inhalation</b>	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If symptoms persist, call a physician.
<b>Ingestion</b>	Call a physician or poison control center immediately. Do not induce vomiting without medical advice. Rinse mouth. Never give anything by mouth to an unconscious person.
<b>Self-protection of the first aider</b>	Remove all sources of ignition.

##### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	May cause redness and tearing of the eyes. Coughing and/ or wheezing. May cause skin irritation. Drowsiness. Dizziness.
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##### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Dry chemical, CO<sub>2</sub>, sand, earth, water spray or regular foam.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

##### Specific hazards arising from the chemical

Flammable.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

##### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required.
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Environmental precautions

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers.

**7. HANDLING AND STORAGE**Precautions for safe handling

**Advice on safe handling** Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep tightly closed in a dry and cool place. Keep in properly labeled containers. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**Incompatible materials** Strong oxidizing agents. Strong acids. Strong bases.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parametersExposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Asphalt 8052-42-4	TWA: 0.5 mg/m <sup>3</sup> benzene-soluble aerosol fume, inhalable particulate matter	-	Ceiling: 5 mg/m <sup>3</sup> fume 15 min
Limestone 1317-65-3	-	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust
Solvent naphtha, petroleum, medium aliphatic 64742-88-7	-	TWA: 500 ppm TWA: 2900 mg/m <sup>3</sup>	-
Cellulose 9004-34-6	TWA: 10 mg/m <sup>3</sup>	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable dust TWA: 1 mg/m <sup>3</sup>

NIOSH IDLH *Immediately Dangerous to Life or Health*

Appropriate engineering controls

**Engineering Controls** Showers  
Eyewash stations  
Ventilation systems.

Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved

respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state</b>	liquid	<b>Odor</b>	Solvent
<b>Appearance</b>	viscous	<b>Odor threshold</b>	No information available
<b>Color</b>	black		
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
pH	No information available		
Melting point / freezing point	No information available		
Boiling point / boiling range	> 150 °C / 302 °F		
Flash point	42 °C / 108 °F		Pensky-Martens Closed Cup (PMCC)
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	6		
Lower flammability limit:	1		
Vapor pressure	No information available		
Vapor density	3.6		
Relative density	1 - 1.1		
Water solubility	Insoluble in water		
Solubility in other solvents	No information available		
Partition coefficient	No information available		
Autoignition temperature	>250 °C / 482 °F		
Decomposition temperature	No information available		
Kinematic viscosity	> 100 mm <sup>2</sup> /s		@ 40 °C
Dynamic viscosity	No information available		
Explosive properties	Not an explosive		
Oxidizing properties	Not applicable		
<b><u>Other Information</u></b>			
Softening point	No information available		
Molecular weight	No information available		
VOC Content (%)	No information available		
Density	No information available		
Bulk density	No information available		

## 10. STABILITY AND REACTIVITY

### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

Heat, flames and sparks.

### Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	May cause irritation of respiratory tract. May cause drowsiness or dizziness.
<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	Irritating to skin.
<b>Ingestion</b>	Based on available data, the classification criteria are not met.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Asphalt 8052-42-4	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	> 94.4 mg/m <sup>3</sup> ( Rat ) 4.5 h
Solvent naphtha, petroleum, medium aliphatic 64742-88-7	> 25 mL/kg ( Rat )	> 3000 mg/kg ( Rabbit )	> 13 mg/L ( Rat ) 4 h
Cellulose 9004-34-6	> 5 g/kg ( Rat )	> 2 g/kg ( Rabbit ) > 2000 mg/kg ( Rabbit )	> 5800 mg/m <sup>3</sup> ( Rat ) 4 h

### Information on toxicological effects

<b>Symptoms</b>	May cause redness and tearing of the eyes. Coughing and/ or wheezing. May cause skin irritation. Vapors may cause drowsiness and dizziness.
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### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Sensitization</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Asphalt 8052-42-4	-	Group 2B	-	X

*IARC (International Agency for Research on Cancer)*

*Group 2B - Possibly Carcinogenic to Humans*

*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*

*X - Present*

<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>STOT - single exposure</b>	Target Organs. Respiratory system. Eyes. Skin. Central nervous system.
<b>STOT - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Chronic toxicity</b>	May cause adverse effects on the bone marrow and blood-forming system.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.

### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)	5,252.00 mg/kg
ATEmix (dermal)	2,573.00 mg/kg
ATEmix (inhalation-dust/mist)	67.40 mg/l

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic life with long lasting effects

### Persistence and degradability

No information available.

### Bioaccumulation

Chemical Name	Partition coefficient
Asphalt 8052-42-4	>6

**Other adverse effects**  
No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**  
**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.  
**Contaminated packaging** Do not reuse container.  
**US EPA Waste Number** D001

**14. TRANSPORT INFORMATION**

**DOT** Not regulated (If shipped in NON BULK packaging by ground transport)  
**TDG** Not regulated (If shipped in NON BULK packaging by ground transport)  
**IATA**  
 UN/ID no UN1999  
 Proper shipping name Tars, liquid  
 Hazard Class 3  
 Packing Group III  
 ERG Code 3L  
 Special Provisions A3  
 Description UN1999, Tars, liquid, 3, III  
**IMDG** Non-regulated per 2.3.2.5  
 UN/ID no UN1999  
 Proper shipping name Tars, liquid  
 Hazard Class 3  
 Packing Group III  
 EmS-No F-E, S-E  
 Special Provisions 955  
 Description UN1999, Tars, liquid, 3, III, (42°C c.c.)

**15. REGULATORY INFORMATION**

**International Inventories**  
 TSCA Complies  
 DSL/NDL Complies  
 EINECS/ELINCS Complies  
 IECS Complies  
 KECL Complies  
 PICCS Complies  
 AICS Complies

**Legend:**  
 TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	SARA 313 - Threshold Values %
Asphalt - 8052-42-4	0.1

**SARA 311/312 Hazard Categories**

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product contains crystalline silica (quartz) in a non-respirable form. Inhalation of crystalline silica is unlikely to occur from exposure to this product

Chemical Name	California Proposition 65
Quartz - 14808-60-7	Carcinogen

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Asphalt 8052-42-4	X	X	X
Limestone 1317-65-3	X	X	X
Cellulose 9004-34-6	X	X	X
Water 7732-18-5	-	-	X
Quartz 14808-60-7	X	X	X
Ethanol, 2-[(2-aminoethyl)amino]- 111-41-1	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<b>NFPA</b>	Health hazards 2	Flammability 2	Instability 0	Physical and Chemical Properties -
<b>HMIS</b>	Health hazards 2	Flammability 2	Physical hazards 0	Personal protection X



**Issue Date** 25-Jan-2016  
**Revision Date** 28-Sep-2020

**Revision Note**  
No information available

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet





A CSW Industrials Company

SAFETY DATA SHEET

METACALK® 1000

Intumescent, water-based firestop sealant

SECTION 1 – PRODUCT AND COMPANY INFORMATION

Product Name: Metacalk® 1000 Intumescent Firestop Sealant
Product Codes: 66640, 66242, 66302, 66303, 66305, 66307, 66309, 66312
Chemical Family: Organic/Inorganic
Use: Firestopping sealant
Manufacturer's Name: RectorSeal, LLC
Date of Validation: June 2, 2020
Date of Preparation: August 21, 2017

HMIS Codes: Health 1, Flammability 0, Reactivity 0, PPI B

Emergency Telephone No. Chemtrec 24 Hours (800)-424-9300 USA (703)-527-3887 International
Technical Service Telephone No. (800)-231-3345 or (713)-263-8001

SECTION 2 – HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Physical Hazards:

None

Health Hazards

Acute Toxicity:

- Oral: Not Classified
Dermal: Not Classified
Inhalation: Not Classified
Skin Corrosion/Irritation: Not Classified
Serious Eye Damage/Eye Irritation: Not Classified
Respiratory or Skin Sensitization: Not Classified
Germ Cell Mutagenicity: Not Classified
Carcinogenicity: Not Classified
Reproductive Toxicology: Not Classified

Target Organ Systemic Toxicity - Single Exposure: Not Classified  
Target Organ Systemic Toxicity - Repeated Exposure: Not Classified

Aspiration Toxicity: Not Classified

## **ENVIRONMENTAL HAZARDS**

Hazardous to the Aquatic Environment: Not Classified  
Acute aquatic toxicity: Not Classified  
Chronic aquatic toxicity: Not Classified  
Bioaccumulation potential: Not Classified  
Rapid degradability: Not Classified

## **GHS Label elements, including precautionary statements**

Pictogram: None

Signal Word: None

Hazard Statements:

None

Precautionary Statements:

P102 - Keep out of reach of children.  
P264 - Wash hands thoroughly after handling.

## **Classification according to EU Directives 67/548/EEC or 1999/45/EC**

LABELING SYMBOLS: None

RISK R-PHRASES: None

SAFETY S-PHRASES:

S2: Keep out of the reach of children.

## **Summary Of Acute Hazards**

May cause skin irritation.

## **Route Of Exposure, Signs And Symptoms**

**INHALATION**

Not a respiratory irritant.

**EYE CONTACT**

Contact may cause eye irritation.

**SKIN CONTACT**

Contact may cause skin irritation.

**INGESTION**

Possible irritation to mucous membranes of the mouth, throat, and stomach.

**SUMMARY OF CHRONIC HAZARDS**

None known.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE**

Persons with pre-existing skin conditions or chemical allergies may be more susceptible to contact effects of the cured elastomer.

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS
None as defined by OSHA Hazard Communication Standard 29 CFR 1910.1200.			

## SECTION 4 – FIRST AID MEASURES

If inhaled: Not a respiratory irritant.

If on skin: Wash with soap and water. If irritation occurs, seek medical attention.

If in eyes: Immediately flush with large amounts of water. If irritation occurs, seek medical attention.

If swallowed: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

## SECTION 5 – FIRE FIGHTING MEASURES

### Extinguishing Media

Foam, dry chemical, carbon dioxide or water fog.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus (SCBA) and other protective clothing. Hazardous decomposition products possible (see Section 10).

**Unusual Fire And Explosion Hazards:** Heat may build up and rupture closed containers.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Steps To Be Taken In Case Material Is Released Or Spilled:** Wipe up spills to prevent footing hazard. Avoid flushing into sewers, drains, waterways and soil. Wear protective clothing during clean up.

## SECTION 7 – HANDLING AND STORAGE

**Precautions To Be Taken In Handling And Storing:** Keep container closed and upright when not in use. To prevent freezing and possible rupture of container, do not store below 35°F.

**Other Precautions:** Avoid prolonged or repeated contact with skin or clothing. Empty containers may contain residues and vapors; treat as if full and observe all product precautions. Do not reuse empty containers.

KEEP OUT OF REACH OF CHILDREN.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

**Respiratory Protection (Specify Type):** None required.

**Ventilation – Local Exhaust:** N/A

**Special:** N/A

**Mechanical (General):** N/A

**Other:** N/A

**Protective Gloves:** None required.

**Eye Protection:** None required.

**Other Protective Clothing Or Equipment:** None required.

**Work/Hygienic Practices:** Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling point:	212°F (100°C) @ 760mm Hg
Specific gravity (H <sub>2</sub> O = 1):	1.25
Vapor pressure (mmHg):	17 @ 68°F (20°C)
Melting point:	N/A
Vapor Density (Air = 1):	N/A
Evaporation rate (Ethyl Acetate = 1):	> 1
Appearance/Odor:	Red paste/Mild odor
Solubility in water:	Soluble
Volatile Organic Compounds (VOC) Content (theoretical percentage by weight):	< 1% or (< 10 g/L)
TVOC, CDPH 01350 v1.2 standard	14.4 (µg m <sup>-3</sup> )
Flash point:	None
Lower explosion limit:	None
Upper explosion limit:	None

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions To Avoid:** None.

**Incompatibility (Materials To Avoid):** None known.

**Hazardous Decomposition Products:** CO, CO<sub>2</sub> and fragmented hydrocarbons.

**Hazardous Polymerization:** Will not occur.

**SECTION 11 – TOXICOLOGY INFORMATION**

**Chronic Health Hazards**

No ingredient in this product is an IARC, NTP or OSHA Lister carcinogen.

Toxicology Data

Ingredient Name

**None**

**SECTION 12 – ECOLOGICAL INFORMATION**

**Ecological Data**

Ingredient Name: **None**

Food Chain Concentration Potential: N/A

Waterfowl Toxicity: N/A

BOD: N/A

Aquatic Toxicity: N/A

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**Waste Classification:** Non-regulated solid waste

**Disposal Method:** Approved landfill

Waste from this product is not considered hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with federal, state, and local regulation regarding pollution.

**SECTION 14 – TRANSPORTATION INFORMATION**

DOT: Non-regulated

Ocean (IMDG): Non-regulated

Air (IATA): Non-regulated

WHMIS (Canada): Non-regulated

## SECTION 15 – REGULATORY INFORMATION

### Regulatory Data

Ingredient Name:	<b>None</b>
SARA 313	N/A
TSCA Inventory	All components listed
CERCLA RQ	N/A
RCRA Code	N/A

## SECTION 16 – OTHER INFORMATION

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, expressed or implied is made.

Consult RectorSeal for further information: (713) 263-8001





# SAFETY DATA SHEET

## DP 1030 Gray Water Based Duct Sealant

Revision Date: March 21, 2022

Page 1 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

### Section 1 – Product and Company Identification

#### Product identifier

Product Name: Water Based Duct Sealant  
Product Code: DP 1030 Gray

#### Intended use of the product

Duct Sealant

#### Restrictions on Use

For industrial use only.

#### Supplier's Details

**Manufactured By:** Design Polymerics  
**Address:** 3301 W. Segerstrom Ave., Santa Ana, CA 92704  
**Information Phone:** (714) 432-0600  
**Website:** www.designpoly.com

#### Emergency telephone number

ChemTel LLC: (800) 255-3924 (24 Hrs)

### Section 2 - Hazard Identification

#### Hazard Classifications

##### GHS Classification

Aquatic Acute 3 H402  
Aquatic Chronic 3 H412

#### Label Elements

##### GHS Labeling

###### Hazard Statements

H402 - Harmful to aquatic life.  
H412 - Harmful to aquatic life with long lasting effects.

###### Precautionary Statements

P201 - Obtain special instructions before use.  
P260 - Do not breathe vapors, mist, or spray.  
P263 - Avoid contact during pregnancy/while nursing.  
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P273 - Avoid release to the environment.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

Full text of H-statements: see section 16

#### Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

#### Unknown Acute Toxicity

No additional information available



# SAFETY DATA SHEET

## DP 1030 Gray Water Based Duct Sealant

Revision Date: March 21, 2022

Page 2 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

### Section 3 – Composition/Information on Ingredients

#### Mixtures

Ingredient	Synonym(s)	C.A.S. No.	% by Wt	Note
Calcium Carbonate	Limestone	1317-65-3	30 - 45	* (See below)
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	Magnesium Silicate / Talc (containing no asbestos fibers)	14807-96-6	1 - 5	* (See below)
Quartz	Crystalline silica, quartz	14808-60-7	< 0.3	* (See below)
Ethanolamine	Ethanol, 2-amino- / Monoethanolamine	141-43-5	0.1 - 1	
Triethanolamine	Ethanol, 2,2',2''-nitrotri- / TEA	102-71-6	≤ 0.1	
Acetaldehyde	Acetic aldehyde / Ethyl aldehyde	75-07-0	≤ 0.02	
Vinyl acetate	Acetic acid, ethenyl ester / 1-Acetoxyethylene	108-05-4	≤ 0.01	
Carbon Black	C.I. 77266 / C.I. Pigment Black 6 / Lampblack	1333-86-4	≤ 0.006	* (See below)

\* This product contains one or more materials that may be hazardous when present as an airborne dust. During normal handling of this product, the material is encapsulated within the product and will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur. This product contains crystalline silica (quartz) which is hazardous when present as airborne dust. As provided, and during normal use of this product, this substance is encapsulated within the product. As such, it is considered to be inextricably bound, and not readily available for exposure.

Any remaining ingredients (to comprise 100% of the product) should be considered a proprietary blend of non-hazardous substances, or materials below threshold reporting limits.

### Section 4 – First Aid Measures

#### Description of First-aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur, go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 5 minutes. If exposed or concerned: Get medical advice/attention.

**Eye Contact:** Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

#### Most Important Symptoms and Effects Both Acute and Delayed

**Inhalation:** Prolonged exposure may cause irritation.

**Skin Contact:** Prolonged exposure may cause skin irritation. May cause an allergic reaction in sensitive individuals.

**Eye Contact:** May cause slight irritation to eyes.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Titanium dioxide is bound in the liquid matrix and is not able to become airborne. Thus, the hazards usually associated with titanium dioxide are not applicable to this product. This product contains crystalline silica (quartz). The crystalline silica is bound in the matrix of the liquid product and under normal conditions of use dust is not expected to be produced. If dried, processed, and dust is released into the air repeated exposure to respirable (airborne) crystalline silica dust may cause lung damage in the form of silicosis, lung cancer, or respiratory irritation. Long term exposure to respirable crystalline silica results in a significant risk of developing silicosis and other non-malignant respiratory disease, lung cancer, kidney effects, and immune system effects.



# SAFETY DATA SHEET

## DP 1030 Gray Water Based Duct Sealant

Revision Date: March 21, 2022

Page 3 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

### Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## Section 5 – Fire-Fighting Measures

### Extinguishing Media

**Suitable Extinguishing Media:** Water spray, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, or dry chemical.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### Special Hazards Arising from the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Under fire conditions this material may produce hazardous carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), Halogenated Compounds, Sulfur oxides, Nitrous fumes, Nitrogen oxides, Aldehydes, Ketones, Calcium oxides., various low molecular weight hydrocarbons, and smoke.

**Other Information:** Do not allow run-off from firefighting to enter drains or water courses.

### Reference to Other Sections

Refer to Section 9 for flammability properties.

## Section 6 – Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not breathe vapor, mist, or spray. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood.

### For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

### For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

### Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.



# SAFETY DATA SHEET

## DP 1030 Gray Water Based Duct Sealant

Revision Date: March 21, 2022

Page 4 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

### Section 7 – Handling and Storage

#### Precautions for Safe Handling

Do not allow product to dry out. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Avoid prolonged contact with eyes, skin, and clothing. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist, spray, vapors.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

#### Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.

**Incompatible Materials:** Acids. Oxidizers.

**Specific End Use(s):** Duct Sealant

### Section 8 – Exposure Controls/Personal Protection

#### Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL).

REL - Recommended Exposure Limits

TLV - Threshold Limit Value

#### Exposure Limits

**Components with workplace control parameters:**

##### Crystalline Silica (Quartz) (14808-60-7)

ACGIH OEL TWA:	0.025 mg/m <sup>3</sup> (respirable particulate matter)
ACGIH chemical category:	A2 - Suspected Human Carcinogen
OSHA PEL (TWA) [1]:	50 µg/m <sup>3</sup> (Respirable crystalline silica)
OSHA PEL (TWA) [2]:	(250)/(%SiO <sub>2</sub> +5) mppcf TWA (respirable fraction) (10)/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup> TWA (respirable fraction) (For any operations or sectors for which the respirable crystalline silica standard, 1910.1053, is stayed or otherwise not in effect, See 20 CFR 1910.1000 TABLE Z-3)
NIOSH REL (TWA):	0.05 mg/m <sup>3</sup> (respirable dust)
IDLH:	50 mg/m <sup>3</sup> (respirable dust)

##### Ethanolamine (141-43-5)

ACGIH OEL TWA [ppm]:	3 ppm
ACGIH OEL STEL [ppm]:	6 ppm
OSHA PEL (TWA) [1]:	6 mg/m <sup>3</sup>
OSHA PEL (TWA) [2]:	3 ppm
NIOSH REL (TWA):	8 mg/m <sup>3</sup>
NIOSH REL TWA [ppm]:	3 ppm
NIOSH REL (STEL):	15 mg/m <sup>3</sup>
NIOSH REL STEL [ppm]:	6 ppm
IDLH [ppm]:	30 ppm



# SAFETY DATA SHEET

## DP 1030 Gray Water Based Duct Sealant

Revision Date: March 21, 2022

Page 5 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

### Limestone (1317-65-3)

OSHA PEL (TWA) [1]:	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
NIOSH REL (TWA):	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)

### Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>) (14807-96-6)

ACGIH OEL TWA:	2 mg/m <sup>3</sup> (particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter)
ACGIH chemical category:	Not Classifiable as a Human Carcinogen containing no asbestos fibers
OSHA PEL (TWA) [2]:	20 mppcf ((not containing asbestos) containing <1% quartz, if 1% quartz or more; use quartz limit) (See 29 CFR 1910.1000 TABLE Z-3)
NIOSH REL (TWA):	2 mg/m <sup>3</sup> (containing no Asbestos and <1% Quartz-respirable dust)
IDLH:	1000 mg/m <sup>3</sup> (containing no asbestos and <1% quartz)

### Carbon black (1333-86-4)

ACGIH OEL TWA:	3 mg/m <sup>3</sup> (inhalable particulate matter)
ACGIH chemical category:	Confirmed Animal Carcinogen with Unknown Relevance to Humans
OSHA PEL (TWA) [1]:	3.5 mg/m <sup>3</sup>
NIOSH REL (TWA):	3.5 mg/m <sup>3</sup> 0.1 mg/m <sup>3</sup> (Carbon black in presence of Polycyclic aromatic hydrocarbons)
IDLH:	1750 mg/m <sup>3</sup>

### Acetaldehyde (75-07-0)

ACGIH OEL Ceiling [ppm]:	25 ppm
ACGIH chemical category:	Suspected Human Carcinogen
OSHA PEL (TWA) [1]:	360 mg/m <sup>3</sup>
OSHA PEL (TWA) [2]:	200 ppm
IDLH [ppm]:	2000 ppm

### Vinyl acetate (108-05-4)

ACGIH OEL TWA [ppm]:	10 ppm
ACGIH OEL STEL [ppm]:	15 ppm
ACGIH chemical category:	Confirmed Animal Carcinogen with Unknown Relevance to Humans
NIOSH REL (Ceiling):	15 mg/m <sup>3</sup>
NIOSH REL C [ppm]:	4 ppm

### Triethanolamine (102-71-6)

ACGIH OEL TWA:	5 mg/m <sup>3</sup>
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### Exposure Controls

**Appropriate Engineering Controls:** Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear protective gloves.



# SAFETY DATA SHEET

## DP 1030 Gray Water Based Duct Sealant

Revision Date: March 21, 2022

Page 6 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

**Eye and Face Protection:** Chemical safety goggles.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Consumer Exposure Controls:** Avoid contact during pregnancy/while nursing.

**Other Information:** When using, do not eat, drink, or smoke.

### Section 9 – Physical and Chemical Properties

#### Information on Basic Physical and Chemical Properties

Physical State	: Thick Paste
Appearance	: Gray
Odor	: Mild/Sweet
Odor Threshold	: No data available
pH	: 8.0 – 9.5
Evaporation Rate	: Same as water
Melting Point	: No data available
Freezing Point	: 32 °F (0 °C)
Boiling Point	: 212 °F (100 °C)
Flash Point	: Not applicable
Auto-ignition Temperature	: Not applicable
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Not applicable
Lower Flammable Limit	: Not applicable
Upper Flammable Limit	: Not applicable
Vapor Pressure	: Same as water
Relative Vapor Density at 20°C	: No data available
Relative Density	: 11.5 – 12.5
Specific Gravity	: No data available
Solubility in Water	: Miscible
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: Thixotropic (@ 77 °F)

### Section 10 – Stability and Reactivity

#### Reactivity:

Hazardous reactions will not occur under normal conditions.

#### Chemical Stability:

Stable under recommended handling and storage conditions (see section 7).

#### Possibility of Hazardous Reactions:



# SAFETY DATA SHEET

## DP 1030 Gray Water Based Duct Sealant

Revision Date: March 21, 2022

Page 7 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

Hazardous polymerization will not occur.

**Conditions to Avoid:**

Direct sunlight, extremely high or low temperatures, and incompatible materials. Do not allow product to dry out.

**Incompatible Materials:**

Acids. Oxidizers.

**Hazardous Decomposition Products:**

Under fire conditions this material may produce hazardous carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), Halogenated Compounds, Sulfur oxides, Nitrous fumes, Nitrogen oxides, Aldehydes, Ketones, Calcium oxides., various low molecular weight hydrocarbons, and smoke.

<b>Section 11 – Toxicological Information</b>
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**Information on Toxicological Effects - Product**

**Acute Toxicity (Oral):** Not classified

**Acute Toxicity (Dermal):** Not classified

**Acute Toxicity (Inhalation):** Not classified

**LD50 and LC50 Data:**

No additional information available

**Skin Corrosion/Irritation:** Not classified

pH: 8.0 – 9.5

**Eye Damage/Irritation:** Not classified

pH: 8.0 – 9.5

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified.

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation. May cause an allergic reaction in sensitive individuals.

**Symptoms/Injuries After Eye Contact:** May cause slight irritation to eyes.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** This product contains crystalline silica (quartz). The crystalline silica is bound in the matrix of the liquid product and under normal conditions of use dust is not expected to be produced. If dried, processed, and dust is released into the air repeated exposure to respirable (airborne) crystalline silica dust may cause lung damage in the form of silicosis, lung cancer, or respiratory irritation. Long term exposure to respirable crystalline silica results in a significant risk of developing silicosis and other non-malignant respiratory disease, lung cancer, kidney effects, and immune system effects.

**Information on Toxicological Effects - Ingredient(s)**

**LD50 and LC50 Data:**

<b>Crystalline Silica (Quartz) (14808-60-7)</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 5000 mg/kg
IARC Group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
<b>Ethanolamine (141-43-5)</b>	
LD50 Oral Rat	1720 mg/kg



# SAFETY DATA SHEET

## DP 1030 Gray Water Based Duct Sealant

Revision Date: March 21, 2022

Page 8 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

LD50 Dermal Rabbit	1025 mg/kg
LC50 Inhalation Rat	> 1.3 mg/l (Exposure time: 6 h)
ATE US/CA (dermal)	1,025.00 mg/kg body weight
ATE US/CA (vapors)	11.00 mg/l/4h
ATE US/CA (dust, mist)	1.50 mg/l/4h
<b>Triethanolamine (102-71-6)</b>	
LD50 Oral Rat	6400 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
IARC Group	3
<b>Acetaldehyde (75-07-0)</b>	
LD50 Oral Rat	660 mg/kg
LD50 Dermal Rabbit	3540 mg/kg
LC50 Inhalation Rat	13000 ppm/4h
IARC Group	1, 2B
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
<b>Vinyl acetate (108-05-4)</b>	
LD50 Oral Rat	2900 mg/kg
LD50 Dermal Rabbit	2335 mg/kg
LC50 Inhalation Rat	11.4 mg/l/4h
LC50 Inhalation Rat	3680 ppm/4h
ATE US/CA (dust, mist)	1.50 mg/l/4h
IARC Group	2B
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
<b>Carbon black (1333-86-4)</b>	
LD50 Oral Rat	> 8000 mg/kg
LC50 Inhalation Rat	> 4.6 mg/m <sup>3</sup> (Exposure time: 4 h)
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>) (14807-96-6)</b>	
IARC Group	3
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.

### Section 12 – Ecological Information

**Toxicity**

**Ecology - General:** Harmful to aquatic life with long lasting effects.

<b>Ethanolamine (141-43-5)</b>	
LC50 Fish 1	227 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	65 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	3684 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
ErC50 algae	2.5 mg/l

<b>Triethanolamine (102-71-6)</b>	
LC50 Fish 1	10600 (10600 – 13000) mg/l (Exposure time: 96 h - Species: Pimephales promelas)





# SAFETY DATA SHEET

## DP 1030 Gray Water Based Duct Sealant

Revision Date: March 21, 2022

Page 9 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

	[flow-through])
<b>EC50 - Crustacea [1]</b>	1386 mg/l
<b>LC50 Fish 2</b>	1000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
<b>ErC50 algae</b>	169 mg/l
<b>NOEC Chronic Crustacea</b>	16 mg/l

<b>Acetaldehyde (75-07-0)</b>	
<b>LC50 Fish 1</b>	28 (28 – 34) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>EC50 - Crustacea [1]</b>	3.64 (3.64 – 6.15) mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
<b>LC50 Fish 2</b>	53 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>EC50 - Crustacea [2]</b>	48.3 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>NOEC Chronic Algae</b>	1.9 mg/l

<b>Vinyl acetate (108-05-4)</b>	
<b>LC50 Fish 1</b>	14 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
<b>LC50 Fish 2</b>	15.04 (15.04 – 21.54) mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>NOEC Chronic Algae</b>	0.2 mg/l

<b>Talc (Mg3H2(SiO3)4) (14807-96-6)</b>	
<b>LC50 Fish 1</b>	> 100 g/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])

<b>Carbon black (1333-86-4)</b>	
<b>EC50 - Crustacea [1]</b>	5600 mg/l (Exposure time: 24 h - Species: Daphnia magna)

**Persistence and Degradability**

<b>Persistence and Degradability</b>	May cause long-term adverse effects in the environment.
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**Bioaccumulative Potential**

<b>Bioaccumulative Potential</b>	Not established.
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<b>Ethanolamine (141-43-5)</b>	
<b>Partition coefficient n-octanol/water (Log Pow)</b>	-1.91 (at 25 °C)

<b>Triethanolamine (102-71-6)</b>	
<b>BCF Fish 1</b>	3.9
<b>Partition coefficient n-octanol/water (Log Pow)</b>	-2.53

<b>Acetaldehyde (75-07-0)</b>	
<b>Partition coefficient n-octanol/water (Log Pow)</b>	0.5

<b>Vinyl acetate (108-05-4)</b>	
<b>Partition coefficient n-octanol/water (Log Pow)</b>	0.73

<b>Talc (Mg3H2(SiO3)4) (14807-96-6)</b>	
<b>BCF Fish 1</b>	(no known bioaccumulation)

**Mobility in Soil**

No additional information available

**Other Adverse Effects**

**Other Information:** Avoid release to the environment.



# SAFETY DATA SHEET

## DP 1030 Gray Water Based Duct Sealant

Revision Date: March 21, 2022

Page 10 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

### Section 13 – Disposal Considerations

**Waste Treatment Methods**

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, and federal regulations.

**Ecology - Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

### Section 14 – Transport Information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

**DOT:** Not regulated for transport  
**IMDG:** Not regulated for transport  
**ATA:** Not regulated for transport  
**TDG:** Not regulated for transport

### Section 15 – Regulatory Information

**US Federal Regulations**

**Inventory Status**

All components are listed on or exempt from the U.S. EPA TSCA Inventory List.

<b>SARA Section 311/312 Hazard Classes</b>	Health hazard - Carcinogenicity
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<b>Acetaldehyde (75-07-0)</b>	
Subject to reporting requirements of United States SARA Section 313	
<b>CERCLA RQ</b>	1000 lb.
<b>SARA Section 313 - Emission Reporting</b>	0.1 %

<b>Vinyl acetate (108-05-4)</b>	
Listed on the United States SARA Section 302	
Subject to reporting requirements of United States SARA Section 313	
<b>CERCLA RQ</b>	5000 lb.
<b>SARA Section 302 Threshold Planning Quantity (TPQ)</b>	1000 lb.
<b>SARA Section 313 - Emission Reporting</b>	0.1 %

**U.S. State Regulations**

**California Proposition 65**

**WARNING:** This product can expose you to Acetaldehyde, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Quartz (14808-60-7)	X			
Acetaldehyde (75-07-0)	X			
Carbon black (1333-86-4)	X			

The following components appear on one or more of the following U.S. State hazardous substances lists:

Component	CAS No.	MA	MN	NJ	PA	RI
Crystalline Silica (Quartz)	14808-60-7	Yes		Yes	Yes	Yes



# S A F E T Y D A T A S H E E T

## DP 1030 Gray Water Based Duct Sealant

Revision Date: March 21, 2022

Page 11 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

Ethanolamine	141-43-5	Yes		Yes	Yes	
Triethanolamine	102-71-6	Yes		Yes	Yes	
Acetaldehyde	75-07-0	Yes		Yes	Yes	
Vinyl Acetate	108-05-4	Yes		Yes	Yes	
Limestone	1317-65-3	Yes	Yes	Yes	Yes	Yes
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	14807-96-6	Yes		Yes	Yes	
Carbon black	1333-86-4	Yes		Yes	Yes	

### Section 16 – Other Information

**Date of Preparation or Latest Revision** : March 21, 2022. Supersedes all previous

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**GHS Full Text Phrases:**

H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

**Disclaimer:** The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to Design Polymerics from its suppliers, and because Design Polymerics has no control over the conditions of handling and use, Design Polymerics makes no warranty, express or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and Design Polymerics assumes no responsibility from use or reliance thereon. It is the responsibility of the user of Design Polymerics products to comply with all applicable Federal, State and Local Laws and Regulations.





# SAFETY DATA SHEET

## DP 1010 Water Based Duct Sealant

Revision Date: March 21, 2022

Page 1 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

### Section 1 – Product and Company Identification

#### Product identifier

Product Name: Water Based Duct Sealant  
Product Code: DP 1010

#### Intended use of the product

Duct Sealant

#### Restrictions on Use

For industrial use only.

#### Supplier's Details

**Manufactured By:** Design Polymeric  
**Address:** 3301 W. Segerstrom Ave., Santa Ana, CA 92704  
**Information Phone:** (714) 432-0600  
**Website:** www.designpoly.com

#### Emergency telephone number

ChemTel LLC: (800) 255-3924 (24 Hrs)

### Section 2 - Hazard Identification

#### Hazard Classifications

##### GHS Classification

Aquatic Acute 3 H402  
Aquatic Chronic 3 H412

#### Label Elements

##### GHS Labeling

###### Hazard Statements

H402 - Harmful to aquatic life.  
H412 - Harmful to aquatic life with long lasting effects.

###### Precautionary Statements

P201 - Obtain special instructions before use.  
P260 - Do not breathe vapors, mist, or spray.  
P263 - Avoid contact during pregnancy/while nursing.  
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P273 - Avoid release to the environment.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

Full text of H-statements: see section 16

#### Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

#### Unknown Acute Toxicity

No additional information available



# SAFETY DATA SHEET

## DP 1010 Water Based Duct Sealant

Revision Date: March 21, 2022

Page 2 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

### Section 3 – Composition/Information on Ingredients

#### Mixtures

Ingredient	Synonym(s)	C.A.S. No.	% by Wt	Note
Calcium Carbonate	Limestone	1317-65-3	30 - 45	* (See below)
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )	Magnesium Silicate / Talc (containing no asbestos fibers)	14807-96-6	1 - 5	* (See below)
Quartz	Crystalline silica, quartz	14808-60-7	< 0.3	* (See below)
Ethanolamine	Ethanol, 2-amino- / Monoethanolamine	141-43-5	0.1 - 1	
Triethanolamine	Ethanol, 2,2',2''-nitrilotri- / TEA	102-71-6	≤ 0.1	
Acetaldehyde	Acetic aldehyde / Ethyl aldehyde	75-07-0	≤ 0.02	
Vinyl acetate	Acetic acid, ethenyl ester / 1-Acetoxyethylene	108-05-4	≤ 0.01	
Carbon Black	C.I. 77266 / C.I. Pigment Black 6 / Lampblack	1333-86-4	≤ 0.006	* (See below)

\* This product contains one or more materials that may be hazardous when present as an airborne dust. During normal handling of this product, the material is encapsulated within the product and will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur. This product contains crystalline silica (quartz) which is hazardous when present as airborne dust. As provided, and during normal use of this product, this substance is encapsulated within the product. As such, it is considered to be inextricably bound, and not readily available for exposure.

Any remaining ingredients (to comprise 100% of the product) should be considered a proprietary blend of non-hazardous substances, or materials below threshold reporting limits.

### Section 4 – First Aid Measures

#### Description of First-aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur, go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 5 minutes. If exposed or concerned: Get medical advice/attention.

**Eye Contact:** Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

#### Most Important Symptoms and Effects Both Acute and Delayed

**Inhalation:** Prolonged exposure may cause irritation.

**Skin Contact:** Prolonged exposure may cause skin irritation. May cause an allergic reaction in sensitive individuals.

**Eye Contact:** May cause slight irritation to eyes.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Titanium dioxide is bound in the liquid matrix and is not able to become airborne. Thus, the hazards usually associated with titanium dioxide are not applicable to this product. This product contains crystalline silica (quartz). The crystalline silica is bound in the matrix of the liquid product and under normal conditions of use dust is not expected to be produced. If dried, processed, and dust is released into the air repeated exposure to respirable (airborne) crystalline silica dust may cause lung damage in the form of silicosis, lung cancer, or respiratory irritation. Long term exposure to respirable crystalline silica results in a significant risk of developing silicosis and other non-malignant respiratory disease, lung cancer, kidney effects, and immune system effects.



# SAFETY DATA SHEET

## DP 1010 Water Based Duct Sealant

Revision Date: March 21, 2022

Page 3 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

### Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## Section 5 – Fire-Fighting Measures

### Extinguishing Media

**Suitable Extinguishing Media:** Water spray, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, or dry chemical.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### Special Hazards Arising from the Substance or Mixture

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### Advice for Firefighters

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Under fire conditions this material may produce hazardous carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), Halogenated Compounds, Sulfur oxides, Nitrous fumes, Nitrogen oxides, Aldehydes, Ketones, Calcium oxides., various low molecular weight hydrocarbons, and smoke.

**Other Information:** Do not allow run-off from firefighting to enter drains or water courses.

### Reference to Other Sections

Refer to Section 9 for flammability properties.

## Section 6 – Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not breathe vapor, mist, or spray. Do not get in eyes, on skin, or on clothing. Do not handle until all safety precautions have been read and understood.

### For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

### For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

### Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.



# SAFETY DATA SHEET

## DP 1010 Water Based Duct Sealant

Revision Date: March 21, 2022

Page 4 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

### Section 7 – Handling and Storage

#### Precautions for Safe Handling

Do not allow product to dry out. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Avoid prolonged contact with eyes, skin, and clothing. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist, spray, vapors.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

#### Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.

**Incompatible Materials:** Acids. Oxidizers.

**Specific End Use(s):** Duct Sealant

### Section 8 – Exposure Controls/Personal Protection

#### Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL).

REL - Recommended Exposure Limits

TLV - Threshold Limit Value

#### Exposure Limits

##### Components with workplace control parameters:

##### Crystalline Silica (Quartz) (14808-60-7)

ACGIH OEL TWA:	0.025 mg/m <sup>3</sup> (respirable particulate matter)
ACGIH chemical category:	A2 - Suspected Human Carcinogen
OSHA PEL (TWA) [1]:	50 µg/m <sup>3</sup> (Respirable crystalline silica)
OSHA PEL (TWA) [2]:	(250)/(%SiO <sub>2</sub> +5) mppcf TWA (respirable fraction) (10)/(%SiO <sub>2</sub> +2) mg/m <sup>3</sup> TWA (respirable fraction) (For any operations or sectors for which the respirable crystalline silica standard, 1910.1053, is stayed or otherwise not in effect, See 20 CFR 1910.1000 TABLE Z-3)
NIOSH REL (TWA):	0.05 mg/m <sup>3</sup> (respirable dust)
IDLH:	50 mg/m <sup>3</sup> (respirable dust)

##### Ethanolamine (141-43-5)

ACGIH OEL TWA [ppm]:	3 ppm
ACGIH OEL STEL [ppm]:	6 ppm
OSHA PEL (TWA) [1]:	6 mg/m <sup>3</sup>
OSHA PEL (TWA) [2]:	3 ppm
NIOSH REL (TWA):	8 mg/m <sup>3</sup>
NIOSH REL TWA [ppm]:	3 ppm
NIOSH REL (STEL):	15 mg/m <sup>3</sup>
NIOSH REL STEL [ppm]:	6 ppm
IDLH [ppm]:	30 ppm





# SAFETY DATA SHEET

## DP 1010 Water Based Duct Sealant

Revision Date: March 21, 2022

Page 5 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

### Limestone (1317-65-3)

OSHA PEL (TWA) [1]:	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
NIOSH REL (TWA):	10 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable dust)

### Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>) (14807-96-6)

ACGIH OEL TWA:	2 mg/m <sup>3</sup> (particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter)
ACGIH chemical category:	Not Classifiable as a Human Carcinogen containing no asbestos fibers
OSHA PEL (TWA) [2]:	20 mppcf ((not containing asbestos) containing <1% quartz, if 1% quartz or more; use quartz limit) (See 29 CFR 1910.1000 TABLE Z-3)
NIOSH REL (TWA):	2 mg/m <sup>3</sup> (containing no Asbestos and <1% Quartz-respirable dust)
IDLH:	1000 mg/m <sup>3</sup> (containing no asbestos and <1% quartz)

### Carbon black (1333-86-4)

ACGIH OEL TWA:	3 mg/m <sup>3</sup> (inhalable particulate matter)
ACGIH chemical category:	Confirmed Animal Carcinogen with Unknown Relevance to Humans
OSHA PEL (TWA) [1]:	3.5 mg/m <sup>3</sup>
NIOSH REL (TWA):	3.5 mg/m <sup>3</sup> 0.1 mg/m <sup>3</sup> (Carbon black in presence of Polycyclic aromatic hydrocarbons)
IDLH:	1750 mg/m <sup>3</sup>

### Acetaldehyde (75-07-0)

ACGIH OEL Ceiling [ppm]:	25 ppm
ACGIH chemical category:	Suspected Human Carcinogen
OSHA PEL (TWA) [1]:	360 mg/m <sup>3</sup>
OSHA PEL (TWA) [2]:	200 ppm
IDLH [ppm]:	2000 ppm

### Vinyl acetate (108-05-4)

ACGIH OEL TWA [ppm]:	10 ppm
ACGIH OEL STEL [ppm]:	15 ppm
ACGIH chemical category:	Confirmed Animal Carcinogen with Unknown Relevance to Humans
NIOSH REL (Ceiling):	15 mg/m <sup>3</sup>
NIOSH REL C [ppm]:	4 ppm

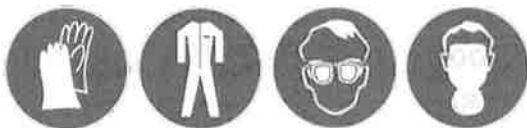
### Triethanolamine (102-71-6)

ACGIH OEL TWA:	5 mg/m <sup>3</sup>
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### Exposure Controls

**Appropriate Engineering Controls:** Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear protective gloves.



# SAFETY DATA SHEET

## DP 1010 Water Based Duct Sealant

Revision Date: March 21, 2022

Page 6 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

**Eye and Face Protection:** Chemical safety goggles.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Consumer Exposure Controls:** Avoid contact during pregnancy/while nursing.

**Other Information:** When using, do not eat, drink, or smoke.

### Section 9 – Physical and Chemical Properties

#### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	: Thick Paste
<b>Appearance</b>	: Gray
<b>Odor</b>	: Mild/Sweet
<b>Odor Threshold</b>	: No data available
<b>pH</b>	: 8.0 – 9.5
<b>Evaporation Rate</b>	: Same as water
<b>Melting Point</b>	: No data available
<b>Freezing Point</b>	: 32 °F (0 °C)
<b>Boiling Point</b>	: 212 °F (100 °C)
<b>Flash Point</b>	: Not applicable
<b>Auto-ignition Temperature</b>	: Not applicable
<b>Decomposition Temperature</b>	: No data available
<b>Flammability (solid, gas)</b>	: Not applicable
<b>Lower Flammable Limit</b>	: Not applicable
<b>Upper Flammable Limit</b>	: Not applicable
<b>Vapor Pressure</b>	: Same as water
<b>Relative Vapor Density at 20°C</b>	: No data available
<b>Relative Density</b>	: 11.5 – 12.5
<b>Specific Gravity</b>	: No data available
<b>Solubility in Water</b>	: Miscible
<b>Partition Coefficient: N-Octanol/Water</b>	: No data available
<b>Viscosity</b>	: Thixotropic (@ 77 °F)

### Section 10 – Stability and Reactivity

#### Reactivity:

Hazardous reactions will not occur under normal conditions.

#### Chemical Stability:

Stable under recommended handling and storage conditions (see section 7).

#### Possibility of Hazardous Reactions:



# SAFETY DATA SHEET

## DP 1010 Water Based Duct Sealant

Revision Date: March 21, 2022

Page 7 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

Hazardous polymerization will not occur.

**Conditions to Avoid:**

Direct sunlight, extremely high or low temperatures, and incompatible materials. Do not allow product to dry out.

**Incompatible Materials:**

Acids. Oxidizers.

**Hazardous Decomposition Products:**

Under fire conditions this material may produce hazardous carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), Halogenated Compounds, Sulfur oxides, Nitrous fumes, Nitrogen oxides, Aldehydes, Ketones, Calcium oxides., various low molecular weight hydrocarbons, and smoke.

<b>Section 11 – Toxicological Information</b>
---

**Information on Toxicological Effects - Product**

**Acute Toxicity (Oral):** Not classified

**Acute Toxicity (Dermal):** Not classified

**Acute Toxicity (Inhalation):** Not classified

**LD50 and LC50 Data:**

No additional information available

**Skin Corrosion/Irritation:** Not classified

pH: 8.0 – 9.5

**Eye Damage/Irritation:** Not classified

pH: 8.0 – 9.5

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified.

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation. May cause an allergic reaction in sensitive individuals.

**Symptoms/Injuries After Eye Contact:** May cause slight irritation to eyes.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** This product contains crystalline silica (quartz). The crystalline silica is bound in the matrix of the liquid product and under normal conditions of use dust is not expected to be produced. If dried, processed, and dust is released into the air repeated exposure to respirable (airborne) crystalline silica dust may cause lung damage in the form of silicosis, lung cancer, or respiratory irritation. Long term exposure to respirable crystalline silica results in a significant risk of developing silicosis and other non-malignant respiratory disease, lung cancer, kidney effects, and immune system effects.

**Information on Toxicological Effects - Ingredient(s)**

**LD50 and LC50 Data:**

<b>Crystalline Silica (Quartz) (14808-60-7)</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 5000 mg/kg
IARC Group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
<b>Ethanolamine (141-43-5)</b>	
LD50 Oral Rat	1720 mg/kg



# SAFETY DATA SHEET

## DP 1010 Water Based Duct Sealant

Revision Date: March 21, 2022

Page 8 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

LD50 Dermal Rabbit	1025 mg/kg
LC50 Inhalation Rat	> 1.3 mg/l (Exposure time: 6 h)
ATE US/CA (dermal)	1,025.00 mg/kg body weight
ATE US/CA (vapors)	11.00 mg/l/4h
ATE US/CA (dust, mist)	1.50 mg/l/4h
<b>Triethanolamine (102-71-6)</b>	
LD50 Oral Rat	6400 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
IARC Group	3
<b>Acetaldehyde (75-07-0)</b>	
LD50 Oral Rat	660 mg/kg
LD50 Dermal Rabbit	3540 mg/kg
LC50 Inhalation Rat	13000 ppm/4h
IARC Group	1, 2B
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
<b>Vinyl acetate (108-05-4)</b>	
LD50 Oral Rat	2900 mg/kg
LD50 Dermal Rabbit	2335 mg/kg
LC50 Inhalation Rat	11.4 mg/l/4h
LC50 Inhalation Rat	3680 ppm/4h
ATE US/CA (dust, mist)	1.50 mg/l/4h
IARC Group	2B
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
<b>Carbon black (1333-86-4)</b>	
LD50 Oral Rat	> 8000 mg/kg
LC50 Inhalation Rat	> 4.6 mg/m <sup>3</sup> (Exposure time: 4 h)
<b>Talc (Mg<sub>3</sub>H<sub>2</sub>(SiO<sub>3</sub>)<sub>4</sub>) (14807-96-6)</b>	
IARC Group	3
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.

### Section 12 – Ecological Information

**Toxicity**

**Ecology - General:** Harmful to aquatic life with long lasting effects.

<b>Ethanolamine (141-43-5)</b>	
LC50 Fish 1	227 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	65 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	3684 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
ErC50 algae	2.5 mg/l

<b>Triethanolamine (102-71-6)</b>	
LC50 Fish 1	10600 (10600 – 13000) mg/l (Exposure time: 96 h - Species: Pimephales promelas)



# SAFETY DATA SHEET

## DP 1010 Water Based Duct Sealant

Revision Date: March 21, 2022

Page 9 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

	[flow-through])
<b>EC50 - Crustacea [1]</b>	1386 mg/l
<b>LC50 Fish 2</b>	1000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
<b>ErC50 algae</b>	169 mg/l
<b>NOEC Chronic Crustacea</b>	16 mg/l

<b>Acetaldehyde (75-07-0)</b>	
<b>LC50 Fish 1</b>	28 (28 – 34) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>EC50 - Crustacea [1]</b>	3.64 (3.64 – 6.15) mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
<b>LC50 Fish 2</b>	53 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>EC50 - Crustacea [2]</b>	48.3 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>NOEC Chronic Algae</b>	1.9 mg/l

<b>Vinyl acetate (108-05-4)</b>	
<b>LC50 Fish 1</b>	14 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
<b>LC50 Fish 2</b>	15.04 (15.04 – 21.54) mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>NOEC Chronic Algae</b>	0.2 mg/l

<b>Talc (Mg3H2(SiO3)4) (14807-96-6)</b>	
<b>LC50 Fish 1</b>	> 100 g/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])

<b>Carbon black (1333-86-4)</b>	
<b>EC50 - Crustacea [1]</b>	5600 mg/l (Exposure time: 24 h - Species: Daphnia magna)

**Persistence and Degradability**

<b>Persistence and Degradability</b>	May cause long-term adverse effects in the environment.
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**Bioaccumulative Potential**

<b>Bioaccumulative Potential</b>	Not established.
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**Ethanolamine (141-43-5)**

<b>Partition coefficient n-octanol/water (Log Pow)</b>	-1.91 (at 25 °C)
--	------------------

**Triethanolamine (102-71-6)**

<b>BCF Fish 1</b>	3.9
<b>Partition coefficient n-octanol/water (Log Pow)</b>	-2.53

**Acetaldehyde (75-07-0)**

<b>Partition coefficient n-octanol/water (Log Pow)</b>	0.5
--	-----

**Vinyl acetate (108-05-4)**

<b>Partition coefficient n-octanol/water (Log Pow)</b>	0.73
--	------

**Talc (Mg3H2(SiO3)4) (14807-96-6)**

<b>BCF Fish 1</b>	(no known bioaccumulation)
-------------------	----------------------------

**Mobility in Soil**

No additional information available

**Other Adverse Effects**

**Other Information:** Avoid release to the environment.



# SAFETY DATA SHEET

## DP 1010 Water Based Duct Sealant

Revision Date: March 21, 2022

Page 10 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

### Section 13 – Disposal Considerations

**Waste Treatment Methods**

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, and federal regulations.

**Ecology - Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

### Section 14 – Transport Information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

**DOT:** Not regulated for transport  
**IMDG:** Not regulated for transport  
**ATA:** Not regulated for transport  
**TDG:** Not regulated for transport

### Section 15 – Regulatory Information

**US Federal Regulations**

**Inventory Status**

All components are listed on or exempt from the U.S. EPA TSCA Inventory List.

<b>SARA Section 311/312 Hazard Classes</b>	Health hazard - Carcinogenicity
--	---------------------------------

<b>Acetaldehyde (75-07-0)</b>	
Subject to reporting requirements of United States SARA Section 313	
<b>CERCLA RQ</b>	1000 lb.
<b>SARA Section 313 - Emission Reporting</b>	0.1 %

<b>Vinyl acetate (108-05-4)</b>	
Listed on the United States SARA Section 302	
Subject to reporting requirements of United States SARA Section 313	
<b>CERCLA RQ</b>	5000 lb.
<b>SARA Section 302 Threshold Planning Quantity (TPQ)</b>	1000 lb.
<b>SARA Section 313 - Emission Reporting</b>	0.1 %

**U.S. State Regulations**

**California Proposition 65**

**WARNING:** This product can expose you to Acetaldehyde, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Quartz (14808-60-7)	X			
Acetaldehyde (75-07-0)	X			
Carbon black (1333-86-4)	X			

The following components appear on one or more of the following U.S. State hazardous substances lists:

Component	CAS No.	MA	MN	NJ	PA	RI
Crystalline Silica (Quartz)	14808-60-7	Yes		Yes	Yes	Yes



# SAFETY DATA SHEET

## DP 1010 Water Based Duct Sealant

Revision Date: March 21, 2022

Page 11 of 11

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012.

Ethanolamine	141-43-5	Yes		Yes	Yes	
Triethanolamine	102-71-6	Yes		Yes	Yes	
Acetaldehyde	75-07-0	Yes		Yes	Yes	
Vinyl Acetate	108-05-4	Yes		Yes	Yes	
Limestone	1317-65-3	Yes	Yes	Yes	Yes	Yes
Talc (Mg3H2(SiO3)4)	14807-96-6	Yes		Yes	Yes	
Carbon black	1333-86-4	Yes		Yes	Yes	

### Section 16 – Other Information

**Date of Preparation or Latest Revision** : March 21, 2022. Supersedes all previous

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**GHS Full Text Phrases:**

H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects

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# S A F E T Y   D A T A   S H E E T

**DP 2502      WATER BASED DUCT LINER ADHESIVE**

**Page: 1**

===== SECTION I - PRODUCT AND COMPANY IDENTIFICATION =====

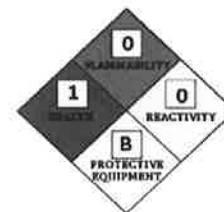
PRODUCT NAME:      WATER BASED DUCT LINER ADHESIVE  
 PRODUCT CODE:      DP 2502

MANUFACTURERS' NAME:      DESIGN POLYMERICS

ADDRESS:                      3301 W. Segerstrom Ave.  
    Santa Ana, CA 92704

HMIS	
Health Hazard	1
Fire Hazard	0
Reactivity	0
Personal Protection	B

EMERGENCY PHONE:      Chem-Tel: (800) 255-3924 (24 Hrs)  
 BUSINESS HOURS:      7:30am – 4:30pm PT  
 CONTRACT NUMBER:      MIS0005056  
 REVISION DATE:      August 22, 2018  
 INFORMATION PHONE:      (714) 432-0600  
 REVISION #:              9.1  
 PREPARED BY:              Technical Dept. Supersedes all previous  
 DOT HAZARD CLASS:      Not Hazardous      UN Number      N/A  
 SHIPPING NAME:      N/A      Packing Group      N/A



===== SECTION II - HAZARDOUS INGREDIENTS / SARA III INFORMATION =====

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
None			

===== SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS =====

CAS #	Trade secret Y/N	Chemical Name	Comment
Proprietary Blend	YES		

===== SECTION IV - FIRST AID MEASURES =====

**INHALATION:** Remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, administer artificial respiration. Contact physician or emergency medical facility immediately.

**SKIN:** Remove contaminated clothing and shoes. Wash exposed area thoroughly with soap and water for at least 15 minutes. Do not rub affected area. If irritation persists, get medical attention. Skin reaction may take 24 to 48 hours to develop. Wash contaminated clothing before reuse.

**EYES:** Immediately flush eyes with large amounts of water for at least 15 minutes while frequently lifting the upper and lower eyelids. If irritation persists, call a physician.

**INGESTION:** Do not induce vomiting. Contact physician or emergency medical facility immediately. Never give anything by mouth to an unconscious person.

===== SECTION V - FIRE-FIGHTING MEASURES =====

FLASH POINT: Not Applicable                      METHOD USED: Not Applicable  
 FLAMMABLE LIMITS IN AIR BY VOLUME – LOWER: N/A                      UPPER: N/A

**EXTINGUISHING MEDIA:** The product will only burn after the water it contains is driven off. For dried film use water, foam, carbon dioxide or dry chemical.

**SPECIAL FIRE FIGHTING PROCEDURES:** When dried film burns, carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), hydrogen chloride gas (HCl), and smoke are produced. Firefighters should wear self-contained breathing apparatus, especially in enclosed areas. Cool containers and minimize vapors with water spray.

# S A F E T Y   D A T A   S H E E T

DP 2502    WATER BASED DUCT LINER ADHESIVE

Page: 2

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers exposed to high temperatures may explode or burst due to build-up of steam pressure.

===== SECTION VI – ACCIDENTAL RELEASE MEASURES =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Dike, contain, or absorb with inert absorbent material. Collect spilled material in a salvage container. Prevent spill from entering sewers, drains, streams, waterways, or other bodies of water.

WASTE DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations.

===== SECTION VII – HANDLING AND STORAGE =====

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: **DO NOT ALLOW TO FREEZE.** Store in a cool dry location away from heat. Keep containers tightly closed and store with adequate ventilation.

OTHER PRECAUTIONS: **DO NOT TAKE INTERNALLY.** Avoid inhalation of excess vapors, ingestion, and unnecessary, prolonged, or repeated contact with this and any other chemical. Change soiled work clothes frequently. Clean hands after handling. **KEEP OUT OF REACH OF CHILDREN.**

===== SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION =====

RESPIRATORY PROTECTION: Not required under normal conditions. Provide sufficient ventilation to maintain constant fresh air in workspace. If TLV is exceeded, use NIOSH/MSHA approved organic vapor and mist, supplied air, or self-contained breathing apparatus. Avoid breathing sanding dust.

VENTILATION: Use adequate mechanical (general and/or local) ventilation to maintain exposure below TLV.

SKIN PROTECTION (PROTECTIVE GLOVES): Wear resistant gloves such as polyethylene.

EYE PROTECTION: Use chemical splash goggles or OSHA permitted safety glasses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear impervious clothing. Eye wash station.

WORK / HYGENIC PRACTICES: Source of clean water should be available for flushing eyes and washing skin. Wash thoroughly after handling any chemicals, especially before eating, drinking, or smoking. Remove and launder contaminated clothing before reuse.

===== SECTION IX - PHYSICAL / CHEMICAL PROPERTIES =====

PHYSICAL FORM: Mobile Liquid  
ODOR: Mild, sweet  
SOLUBILITY IN WATER: Miscible  
BOILING POINT: 212°F  
FREEZING POINT: 32° F (0° C)  
COATING V.O.C.: 12 g/l

COLOR: White or Black  
pH: 8.0 – 9.5  
SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.1-1.2  
% VOLATILES BY WEIGHT: 55-65  
VISCOSITY (cps): approx. 2,000-3,500

===== SECTION X – STABILITY AND REACTIVITY DATA =====

STABILITY: Stable at ambient temperatures.

CONDITIONS TO AVOID: Coagulation may occur after freezing, thawing, or boiling.

INCOMPATIBILITY (MATERIALS TO AVOID): Metal salts, mineral acids (i.e. sulfuric, phosphoric, etc.) Strong oxidizing agents. Strong reducing agents.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic materials on thermal decomposition including Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), and various hydrocarbons. Under fire conditions, this product will release hydrogen chloride gas.

===== SECTION XI – TOXICOLOGICAL INFORMATION =====

# S A F E T Y   D A T A   S H E E T

DP 2502    WATER BASED DUCT LINER ADHESIVE

Page: 3

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Adverse health effects from vapors or spray mists in poorly ventilated areas may include irritation of the mucous membranes of the nose, throat, and respiratory tract and symptoms of headache and nausea.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** EYES: In direct contact, may cause irritation. SKIN: Prolonged and repeated contact with product may cause skin irritation.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Redness, drying of the skin, or other signs of irritation or contact dermatitis.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

**HEALTH HAZARDS (ACUTE AND CHRONIC):** ACUTE: May cause irritation to skin and eyes, gastrointestinal irritation, nausea, and vomiting. CHRONIC: Prolonged or repeated exposure above TLV may result in permanent brain and nervous system damage.

**CARCINOGENICITY:**                    **NTP CARCINOGEN:** No                    **IARC MONOGRAPHS:** No                    **OSHA REGULATED:** No

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** May be aggravating to some skin and respiratory conditions, and to pre-existing liver and/or kidney disorders.

===== **SECTION XII – ECOLOGICAL INFORMATION** =====

Ecotoxicity: No ecotoxicity data was found for the product  
Environmental Fate: No environmental information found for this product

===== **SECTION XIII – DISPOSAL CONSIDERATIONS** =====

**Waste Disposal:** Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines

===== **SECTION XIV – TRANSPORT INFORMATION** =====

DOT Hazard Class	Not Hazardous	UN Number	N/A
Shipping Name	N/A	Packing Group	N/A

===== **SECTION XV –REGULATORY INFORMATION** =====

**EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW (SARA TITLE III):**

Section 311/312 Categorizations (40 CFR 370): Immediate (Acute) Health Hazard.

Section 313 Information (40 CFR 372) – Toxic Chemicals List: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:

Component	CAS#	% by Weight
None		

**Toxic Substances Control Act (TSCA):** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

**CALIFORNIA PROPOSITION 65 (Safe Drinking Water and Toxic Enforcement Act of 1986):** None listed.

===== **SECTION XVI –OTHER INFORMATION** =====

MSDS Creation Date:    January 28, 2015  
MSDS Revision Date:    March 15, 2018  
MSDS Revision Notes:    V.O.C. change  
MSDS Author:            Technical Department

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# S A F E T Y   D A T A   S H E E T

**DP 2502    WATER BASED DUCT LINER ADHESIVE**

**Page: 4**

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