



SAFETY DATA SHEET

DP 1090 SOLVENT BASED DUCT SEALER

Revision Date: October 18, 2018

Version #: 3

Supersedes Date: March 15, 2018

Section 1 – Product And Company Identification

Product Identifier

Product Name: Solvent Based Duct Sealer

Product Code: DP 1090

Product ID's: 510901, 510906

Chemical Family

Adhesive

Supplier's Details

Manufactured For:

Design Polymerics

Address:

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

Information Phone:

(714) 432-0600

Emergency Telephone Number

Chem-Tel: (800) 255-3924 (24 hours)

Section 2 - Hazard Identification

Product Signal Word:

DANGER

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification Of The Substance Or Mixture:

FLAMMABLE LIQUIDS - Category 2

EYE IRRITATION - Category 2A

CARCINOGENICITY (inhalation) - Category 2

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3

GHS label elements hazard pictograms:



Precautionary Statements

General: Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Wear eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid breathing vapor. Wash hands thoroughly after handling.

Response: If exposed or concerned: Get medical attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. 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 attention.



SAFETY DATA SHEET

DP 1090 SOLVENT BASED DUCT SEALER

Revision Date: October 18, 2018

Version #: 3

Supersedes Date: March 15, 2018

Storage: Store locked up. Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental Label Elements: Avoid contact with skin and clothing. Wash thoroughly after handling.

Hazards Not Otherwise Classified: Prolonged or repeated contact may dry skin and cause irritation.

Section 3 – Composition/Information on Ingredients

Hazardous Ingredients

United States

| | CAS # | % Range | | PEL | TLV |
|--|----------|---------|------|---------|---------|
| Low VOC Premix | - | 50% | 75% | NO DATA | NO DATA |
| Methyl Acetate | 79-20-9 | 25% | 50% | 200 PPM | 200 PPM |
| n-Hexane | 110-54-3 | 1% | 5% | 500 PPM | 50 PPM |
| 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol | 119-47-1 | 0.1% | 0.5% | NO DATA | NO DATA |

Canada

| | CAS # | % Range | | PEL | TLV |
|----------------|----------|---------|------|---------|--------------|
| Methyl Acetate | 79-20-9 | 25% | 50% | 200 PPM | 200 PPM |
| n-Hexane | 110-54-3 | 1% | 5% | 500 PPM | 50 PPM |
| Vinyl Acetate | 108-05-4 | 0.1% | 0.5% | NONE | 10 PPM (TWA) |

Mexico

| NAME | CAS NUMBER | UN NUMBER | % | CLASSIFICATION | | | | |
|----------------|------------|-----------|---------|----------------|---|---|---|---------|
| | | | | IDLH | H | F | R | SPECIAL |
| Methyl Acetate | 79-20-9 | UN1993 | 25 - 50 | 3100 ppm | 2 | 3 | 0 | - |
| n-hexane | 110-54-3 | UN1993 | 1 - 5 | 1100 ppm | 1 | 3 | 1 | - |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4 – First Aid Measures

Description Of Necessary First Aid Measures



SAFETY DATA SHEET

DP 1090 SOLVENT BASED DUCT SEALER

Revision Date: October 18, 2018

Version #: 3

Supersedes Date: March 15, 2018

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact: Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most Important Symptoms/Effects, Acute And Delayed Potential Acute Health Effects

Eye Contact: Causes serious eye irritation.

Inhalation: Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness. May cause respiratory irritation.

Skin Contact: Defatting to the skin. May cause skin dryness and irritation.

Ingestion: Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.

Over-Exposure Signs/Symptoms

Eye Contact: Adverse symptoms may include the following: pain or irritation, watering, redness

Inhalation: Adverse symptoms may include the following: respiratory tract irritation, coughing, nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness

Skin Contact: Adverse symptoms may include the following: irritation, dryness, cracking

Ingestion: No specific data.

Indication Of Immediate Medical Attention And Special Treatment Needed, If Necessary

Notes To Physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific Treatments: No specific treatment.

Protection Of First-Aiders: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5 – Fire-Fighting Measures



SAFETY DATA SHEET

DP 1090 SOLVENT BASED DUCT SEALER

Revision Date: October 18, 2018

Version #: 3

Supersedes Date: March 15, 2018

Extinguishing Media

Suitable Extinguishing Media: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable Extinguishing Media: Do not use water jet.

Specific Hazards Arising From The Chemical: Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.

Hazardous Thermal Decomposition Products: Decomposition products may include the following materials: carbon dioxide, carbon monoxide

Special Protective Actions For Fire-Fighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special Protective Equipment For Fire-Fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6 – Accidental Release Measures

Personal Precautions, Protective Equipment And Emergency Procedures

For Non-Emergency Personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For Emergency Responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental Precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods And Materials For Containment And Cleaning Up

Small Spill: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large Spill: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7 – Handling and Storage

Precautions For Safe Handling

Protective Measures: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.



SAFETY DATA SHEET

DP 1090 SOLVENT BASED DUCT SEALER

Revision Date: October 18, 2018

Version #: 3

Supersedes Date: March 15, 2018

Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice On General Occupational Hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information on hygiene measures.

Conditions For Safe Storage, Including Any Incompatibilities: Store between the following temperatures: -17 to 40°C (1.4 to 104°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8 – Exposure Controls/Personal Protection

Control Parameters

United States Occupational Exposure Limits

| Ingredient Name | Exposure Limits | | | |
|-----------------|--|--|---|---|
| | ACGIH TLV (United States, 3/2016). | OSHA PEL 1989 (United States, 3/1989). | NIOSH REL (United States, 10/2013). | OSHA PEL (United States, 6/2016). |
| methyl acetate | TWA: 200 ppm 8 hours. TWA: 606 mg/m ³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 757 mg/m ³ 15 minutes. | TWA: 200 ppm 8 hours. TWA: 610 mg/m ³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 760 mg/m ³ 15 minutes. | TWA: 200 ppm 10 hours. TWA: 610 mg/m ³ 10 hours. STEL: 250 ppm 15 minutes. | STEL: 760 mg/m ³ 15 minutes. TWA: 200 ppm 8 hours. TWA: 610 mg/m ³ 8 hours. |

| Ingredient Name | Exposure Limits | | | |
|-----------------|---|---|---|---|
| | OSHA PEL 1989 (United States, 3/1989). | NIOSH REL (United States, 10/2013). | ACGIH TLV (United States, 3/2016). Absorbed through skin. | OSHA PEL (United States 6/2016). |
| n-hexane | TWA: 50 ppm 8 hours. TWA: 180 mg/m ³ 8 hours. | TWA: 50 ppm 10 hours. TWA: 180 mg/m ³ 10 hours. | TWA: 50 ppm 8 hours. | TWA: 500 ppm 8 hours. TWA: 1800 mg/m ³ 8 hours. |



SAFETY DATA SHEET

DP 1090 SOLVENT BASED DUCT SEALER

Revision Date: October 18, 2018

Version #: 3

Supersedes Date: March 15, 2018

Canada

| Occupational exposure limits | | TWA (8 hours) | | | STEL (15 mins) | | | Ceiling | | | Notations |
|------------------------------|-----------------|---------------|-------------------|---------|----------------|-------------------|----------|---------|-------------------|-------|-----------|
| Ingredient | List name | ppm | mg/m ³ | Other | ppm | mg/m ³ | Other | ppm | mg/m ³ | Other | |
| Methyl acetate | US ACGIH 3/2016 | 200 | 606 | - | 250 | 757 | - | - | - | - | |
| | AB 4/2009 | 200 | 606 | - | 250 | 757 | - | - | - | - | |
| | BC 7/2016 | 200 | - | - | 250 | - | - | - | - | - | |
| | ON 7/2015 | 200 | - | - | 250 | - | - | - | - | - | |
| | SK 7/2013 | - | - | 200 PPM | - | - | 250 PPM | - | - | - | |
| n-hexane | US ACGIH 3/2016 | 50 | - | - | - | - | - | - | - | - | [1] |
| | AB 4/2009 | 50 | 176 | - | - | - | - | - | - | - | [1] |
| | BC 7/2016 | 20 | - | - | - | - | - | - | - | - | [1] |
| | ON 7/2015 | 50 | - | - | - | - | - | - | - | - | [1] |
| | SK 7/2013 | - | - | 50 PPM | - | - | 62.5 PPM | - | - | - | [1] |
| vinyl acetate | US ACGIH 3/2016 | 10 | 35 | - | 15 | 53 | - | - | - | - | |
| | AB 4/2009 | 10 | 35 | - | 15 | 53 | - | - | - | - | |
| | BC 7/2016 | 10 | - | - | 15 | - | - | - | - | - | |
| | ON 7/2015 | 10 | - | - | 15 | - | - | - | - | - | |
| | SK 7/2013 | - | - | 10 PPM | - | - | 15 PPM | - | - | - | |

[1] Absorbed through skin.

Mexico Occupational Exposure Limits

| Ingredient Name | Exposure Limits | |
|-----------------|--|--------------------------------|
| | NOM-010-STPS (Mexico, 4/2016). | NOM-010-STPS (Mexico, 94.2016) |
| methyl acetate | LMPE-PPT: 200 ppm 8 hours. LMPE-CT: 250 ppm 15 minutes. | -- |
| n-hexane | -- | LMPE-PPT: 50 ppm 8 hours. |

Consult Local Authorities For Acceptable Exposure Limits.

Appropriate Engineering Controls: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental Exposure Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual Protection Measures

Hygiene Measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/Face Protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin Protection



SAFETY DATA SHEET

DP 1090 SOLVENT BASED DUCT SEALER

Revision Date: October 18, 2018

Version #: 3

Supersedes Date: March 15, 2018

Hand Protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other Skin Protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory Protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9 – Physical and Chemical Properties

Appearance

| | |
|---|--|
| Physical State: | Liquid [paste] |
| Color: | Brown [Light] |
| Odor: | Solvent(s) |
| Odor Threshold: | Not Available. |
| pH: | Not applicable. |
| Melting Point: | Not Available. |
| Boiling Point: | 54.44 °C (130°F) |
| Flash Point: | Closed cup: -18°C (-0.4°F) |
| Evaporation Rate: | >1 (butyl acetate = 1) |
| Flammability (solid, gas): | Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat. |
| VOC (less water, less exempt solvents): | 44 g/l |
| Relative Density: | 1.2469 |
| Solubility: | Very slightly soluble in the following materials: cold water and hot water. |
| Auto-Ignition Temperature: | 252°C (485.6°F) |

Aerosol Product

Section 10 – Stability and Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical Stability: The product is stable.

Possibility Of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions To Avoid: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Incompatible Materials: Reactive or incompatible with the following materials: oxidizing materials

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.



SAFETY DATA SHEET

DP 1090 SOLVENT BASED DUCT SEALER

Revision Date: October 18, 2018

Version #: 3

Supersedes Date: March 15, 2018

Section 11 – Toxicological Information

Information On Toxicological Effects

Acute Toxicity

| Product/Ingredient name | Result | Species | Dose | Exposure |
|---|---------------------|---------|-------------|----------|
| Methyl acetate | LD50 Dermal | Rabbit | >5 g/kg | - |
| | LD50 Oral | Rat | >5 g/kg | - |
| n-hexane | LC50 Inhalation Gas | Rat | 48000 ppm | 4 hours |
| | LD50 Dermal | Rabbit | >3295 mg/kg | - |
| 6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol | LD50 Oral | Rat | 15840 mg/kg | - |
| | | Rat | 4880 mg/kg | - |

Conclusion/Summary : Not available

Irritation/Corrosion

| Product/Ingredient Name | Result | Species | Score | Exposure | Observation |
|---|--------------------------|---------|-------|-------------------------|-------------|
| methyl acetate | Eyes - Moderate irritant | Rabbit | - | 24 hours 100 Milligrams | - |
| Skin – Mild irritant | Skin – Mild irritant | Rabbit | - | 24 hours 500 milligrams | - |
| Skin – Moderate irritant | Skin – Moderate irritant | Rabbit | - | 24 hours 20 milligrams | - |
| n-hexane | Eyes – Mild irritant | Rabbit | - | 10 milligrams | - |
| 6,6'-di-tert-butyl-2,2'-Methylene di-p-cresol | Eyes – Moderate irritant | Rabbit | - | 24 hours 100 milligrams | - |

Conclusion/Summary

- Skin** : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis
- Eyes** : This product may irritate eyes upon contact.
- Respiratory** : High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.

Specific Target Organ Toxicity (Single Exposure)

| Name | Category | Route Of Exposure | Target Organs |
|-----------------------------------|------------|-------------------|---|
| DP 1090 Solvent Based Duct Sealer | Category 3 | Not applicable | Respiratory tract irritation and Narcotic effects |
| Low VOC Premix | Category 3 | Not applicable | Respiratory tract irritation and Narcotic effects |
| Methyl acetate | Category 3 | Not applicable | Respiratory tract irritation and Narcotic effects |
| n-hexane | Category 3 | Not applicable | Respiratory tract irritation and Narcotic effects |

Specific Target Organ Toxicity (Repeated Exposure)

| Name | Category | Route of exposure | Target organs |
|----------|------------|-------------------|---------------------------|
| n-hexane | Category 1 | Inhalation | Peripheral nervous system |

Aspiration Hazard

| Name | Result |
|----------|--------------------------------|
| n-hexane | ASPIRATION HAZARD – Category 1 |

Information On The Likely Routes Of Exposure: Not available.



SAFETY DATA SHEET

DP 1090 SOLVENT BASED DUCT SEALER

Revision Date: October 18, 2018

Version #: 3

Supersedes Date: March 15, 2018

Potential Acute Health Effects

- Eye Contact** : Causes serious eye irritation.
- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness. May cause respiratory irritation.
- Skin Contact** : Defatting to the skin. May cause skin dryness and irritation.
- Ingestion** : Can cause central nervous system (CNS) depression.

Symptoms Related To The Physical, Chemical And Toxicological Characteristics

- Eye contact** : Adverse symptoms may include the following:
 pain or irritation
 watering
 redness
- Inhalation** : Adverse symptoms may include the following:
 Respiratory tract irritation
 Coughing
 Nausea or vomiting
 Headache
 Drowsiness/fatigue
 Dizziness/vertigo
 Unconsciousness
- Skin contact** : Adverse symptoms may include the following:
 Irritation
 Dryness
 Cracking
- Ingestion** : No specific data

Delayed And Immediate Effects And Also Chronic Effects From Short And Long Term Exposure

Short Term Exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available

Long Term Exposure

- Potential immediate effects** : Not available
- Potential delayed effects** : Not available

Section 12 – Ecological Information

Toxicity

| Product/Ingredient Name | Result | Species | Exposure |
|-------------------------|--|--|--|
| Methyl acetate | Acute LC50 408000 µg/l Fresh water | Fish - Pimephales promelas - Juvenile (Fledgling, Hatchling, Weanling) | 96 hours |
| n-hexane | Acute EC50 0.89 mg/l Acute EC50 3.9 mg/l Acute LC50 2.5 mg/l Chronic NOEC 4.9 mg/l Chronic NOEC 2.8 mg/l | Algae Crustaceans Fish - fathead minnow Crustaceans Fish - rainbow trout | 96 hours 48 hours 96 hours 21 days 28 days |

Conclusion/Summary: Not available.

Persistence And Degradability

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| n-hexane | - | - | Readily |



SAFETY DATA SHEET

DP 1090 SOLVENT BASED DUCT SEALER

Revision Date: October 18, 2018

Version #: 3

Supersedes Date: March 15, 2018

Bioaccumulative Potential

| Product/Ingredient Name | LogPow | BCF | Potential |
|---|--------|---------|-----------|
| Methyl acetate | 0.18 | - | Low |
| n-hexane | 4 | 501-187 | high |
| 6,6'-tert-butyl-2,2'-methylenedi-p-cresol | 6.25 | 549.54 | high |

Other Adverse Effects: No known significant effects or critical hazards.

Section 13 – Disposal Considerations

Disposal Methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14 – Transport Information

UN Number: 1133

UN Proper Shipping Name: ADHESIVES, Containing Flammable Liquid

Transport Hazard Class(es): 3



Packing Group: III

Environmental Hazards: No

Additional Information:

DOT Classification: Limited quantity

TDG Classification: Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2. 18-2.19 (Class3). Remarks: Limited quantity

Mexico Classification: Limited quantity

ADR/RID: Special Provisions: 640 (E), **Tunnel code:** (D/E), **Remarks:** Limited Quantity

IMDG: Limited quantity

IATA:

Product ID: 510906 (DP 1090 Gallon): None

Product ID: 510901 (DP 1090 Tube): Limited Quantity

Special Precautions For User: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.



SAFETY DATA SHEET

DP 1090 SOLVENT BASED DUCT SEALER

Revision Date: October 18, 2018

Version #: 3

Supersedes Date: March 15, 2018

Transport In Bulk According To Annex II Of MARPOL 73/78 And The IBC Code: Not available.

Section 15 – Regulatory Information

U.S. Federal regulations : TSCA 8(a) PAIR: methyl acetate; tert-butyl acetate
 TSCA 8(a) CDR Exempt/Partial exemption: Not determined
 United States inventory (TSCA All components are listed or exempted. 8b):
 : Listed

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)
Clean Air Act Section 602 Class I Substances : Not listed
Clean Air Act Section 602 Class II Substances : Not listed

SARA 302/304

Composition/information on ingredients

| Name | % | EHS | SARA 302 TPO | | SARA 304 RQ | |
|---------------|---------|-----|--------------|-----------|-------------|-----------|
| | | | (lbs) | (gallons) | (lbs) | (gallons) |
| Vinyl acetate | 0.1-0.5 | Yes | 1000 | 129 | 5000 | 644.8 |

SARA 304 RQ: 2145669.5 lbs / 974134 kg [206383 gal / 781244.7 L]

SARA 311/312

Classification: Fire hazard
 Immediate (acute) health hazard
 Delayed (chronic) health hazard

Composition/information on ingredients

| Name | % | Fire Hazard | Sudden Release of Pressure | Reactive | Immediate (acute) Health Hazard | Delayed (chronic) Health hazard |
|--|---------|-------------|----------------------------|----------|---------------------------------|---------------------------------|
| Low VOC Premix | 50-75 | Yes | No | No | Yes | Yes |
| Methyl acetate | 25-50 | Yes | No | No | Yes | No |
| n-hexane | 1-5 | Yes | No | No | Yes | Yes |
| 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol | 0.1-0.5 | Yes | No | No | No | Yes |

SARA 313

| | Product name | CAS number | % |
|--------------------------------------|---------------|------------|---------|
| Form R-Reporting requirements | n-hexane | 110-54-3 | 1-5 |
| | vinyl acetate | 108-05-4 | 0.1-0.5 |
| Supplier notification | n-hexane | 110-54-3 | 1-5 |
| | vinyl acetate | 108-05-4 | 0.1-0.5 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts: The following components are listed: METHYL ACETATE; HEXANE, N-HEXANE
New York: The following components are listed: Vinyl acetate; Hexane
New Jersey: The following components are listed: METHYL ACETATE; ACETIC ACID, METHYL ESTER; VINYL ACETATE; ACETIC ACID ETHENYL ESTER; n-HEXANE; HEXANE
Pennsylvania: The following components are listed: ACETIC ACID, METHYL ESTER; ACETIC ACID ETHENYL ESTER; HEXANE



SAFETY DATA SHEET

DP 1090 SOLVENT BASED DUCT SEALER

Revision Date: October 18, 2018

Version #: 3

Supersedes Date: March 15, 2018

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

| Ingredient name | Cancer | Reproductive | No significant risk Level | Maximum Acceptable dosage level |
|-----------------|--------|--------------|---|---|
| Methanol | No | yes | 45000 µg/day (ingestion) 47000 µg/day (inhalation) | 23000 µg/day (ingestion) 47000 µg/day (inhalation) |

Canada

Canadian lists

Canadian NPRI: The following components are listed: n-Hexane
 CEPA Toxic substances: None of the components are listed.
 Canada inventory: Not determined.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Mexico

Classification:



International regulations

International lists:

Australia inventory (AICS): Not determined.
 China inventory (IECSC): Not determined.
 Japan inventory: Not determined.
 Japan inventory (ISHL): Not determined
 Korea inventory: Not determined.
 Malaysia Inventory (EHS Register): Not determined.
 New Zealand Inventory of Chemicals (NZIoC): Not determined.
 Philippines inventory (PICCS): Not determined.
 Taiwan inventory (CSNN): Not determined.
 Turkey inventory: Not determined

Europe: Not determined.

Chemical Weapons Convention List Schedule I Chemicals: Not listed

Chemical Weapons Convention List Schedule II Chemicals: Not listed

Chemical Weapons Convention List Schedule III Chemicals: Not listed

Section 16 – Other Information

Hazardous Material Information System (U.S.A.)

| | | |
|------------------|---|---|
| Health | * | 3 |
| Flammability | | 2 |
| Physical hazards | | 1 |
| | | |



SAFETY DATA SHEET

DP 1090 SOLVENT BASED DUCT SEALER

Revision Date: October 18, 2018

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Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

References : Not available.

SDS Creation Date: February 2, 2012
SDS Revision Date: October 15, 2018
SDS Revision Notes: Revised formulation
SDS Author: Technical Department

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