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



## SECTION 1: Identification

PRODUCT NAME: DUCT LINER SPRAY ADHESIVE
PRODUCT CODE: DP 2590

MANUFACTURERS' NAME: DESIGN POLYMERICS

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

EMERGENCY PHONE: Chem-Tel: (800) 255-3924 (24 Hrs)
BUSINESS HOURS: 7:30am – 4:30pm PT
CONTRACT NUMBER: MIS0005056
REVISION DATE: Oct 7, 2014
INFORMATION PHONE: (714) 432-0600
REVISION #: 4.4
PREPARED BY: Technical Dept. Supersedes all previous

## SECTION 2: Hazard identification

**2.1. Hazard classification**
Flammable Liquid: Category 1.
Serious Eye Damage/Irritation: Category 2B.
Carcinogenicity: Category 1B.
Simple Asphyxiant.
Specific Target Organ Toxicity (single exposure): Category 1.
Specific Target Organ Toxicity (central nervous system): Category 3.

**2.2. Label elements**
**Signal word**
Danger

**Hazard Statements**
Extremely flammable liquid and vapor.

Causes eye irritation.
May cause drowsiness or dizziness.
May cause cancer.
May displace oxygen and cause rapid suffocation.

Causes damage to organs:
cardiovascular system |

**Precautionary Statements**

**Prevention:**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Ground/bond container and receiving equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Keep container tightly closed.
Use explosion-proof electrical/ventilating/lighting equipment.
Do not breathe dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves and eye/face protection.
Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.

**Response:**
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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 advice/attention. IF exposed or concerned: Get medical advice/attention.
Specific treatment (see Notes to Physician on this label).
In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

**Storage:**
Protect from sunlight.
Keep cool.
Keep container tightly closed.
Store locked up in a well-ventilated place.

**Disposal:**
Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

**Notes to Physician:**
Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

**2.3. Hazards not otherwise classified**
None.

55% of the mixture consists of ingredients of unknown acute inhalation toxicity.

# SECTION 3: Composition/information on ingredients

| Ingredient | C.A.S. No. | % by Wt |
|---|---|---|
| Methylene Chloride | 75-09-2 | 30 - 60 Trade Secret * |
| Dimethyl Ether | 115-10-6 | 10 - 30 Trade Secret * |
| Non-hazardous Components (NJTS Reg. No. 04499600-7230) | Trade Secret* | 10 - 30 Trade Secret * |
| Isobutane | 75-28-5 | 5 - 10 Trade Secret * |
| Propane | 74-98-6 | 5 - 10 Trade Secret * |
| Nitrogen | 7727-37-9 | < 3 Trade Secret * |
| Talc | 14807-96-6 | < 0.2 Trade Secret * |

NJTS or NJTSRN: New Jersey Trade Secret Registry Number.

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

# SECTION 4: First aid measures

**4.1. Description of first aid measures**

**Inhalation:**
Remove person to fresh air. Get medical attention.

**Skin Contact:**
Immediately wash with soap and water. Remove contaminated clothing and wash before reuse. If signs/symptoms develop, get medical attention.

**Eye Contact:**
Flush with large amounts of water. Remove contact lenses if easy to do. Continue rinsing. If signs/symptoms persist, get medical attention.

**If Swallowed:**
Rinse mouth. If you feel unwell, get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**
See Section 11.1. Information on toxicological effects.

**4.3. Indication of any immediate medical attention and special treatment required**
Exposure may increase myocardial irritability. Do not administer sympathomimetic drugs unless absolutely necessary.

# SECTION 5: Fire-fighting measures

**5.1. Suitable extinguishing media**
In case of fire: Use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.

**5.2. Special hazards arising from the substance or mixture**
Closed containers exposed to heat from fire may build pressure and explode.

**Hazardous Decomposition or By-Products**

| Substance | Condition |
|---|---|
| Formaldehyde | During Combustion |
| Carbon monoxide | During Combustion |
| Carbon dioxide | During Combustion |

**5.3. Special protective actions for fire-fighters**
Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture.

# SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**
Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

**6.2. Environmental precautions**
Avoid release to the environment. For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water.

**6.3. Methods and material for containment and cleaning up**
Contain spill. Cover spill area with a fire-extinguishing foam. An appropriate aqueous film forming foam (AFFF) is recommended. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorized person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible.

# SECTION 7: Handling and storage

**7.1. Precautions for safe handling**
For industrial or professional use only. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.) Wear low static or properly grounded shoes. Use personal protective equipment (gloves, respirators, etc.) as required. To minimize the risk of ignition, determine applicable electrical classifications for the process using this product and select specific local exhaust ventilation equipment to avoid flammable vapor accumulation. Ground/bond container and receiving equipment if there is potential for static electricity accumulation during transfer.

**7.2. Conditions for safe storage including any incompatibilities**
Store in a well-ventilated place. Keep cool. Keep container tightly closed. Protect from sunlight. Store away from heat. Store away from acids. Store away from oxidizing agents.

# SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

**Occupational exposure limits**

| Ingredient | C.A.S. No. | Agency | Limit type | Additional Comments |
|---|---|---|---|---|
| Dimethyl Ether | 115-10-6 | AIHA | TWA:1880 mg/m3(1000 ppm) | |
| Dimethyl Ether | 115-10-6 | CMRG | TWA:1000 ppm | |
| Talc | 14807-96-6 | ACGIH | TWA(respirable fraction):2 mg/m3 | A4: Not class. as human carcin |
| Talc | 14807-96-6 | CMRG | TWA(as respirable dust):0.5 mg/m3 | |
| Talc | 14807-96-6 | OSHA | TWA concentration(as total dust):0.3 mg/m3;TWA concentration(respirable):0.1 mg/m3(2.4 millions of particles/cu. ft.);TWA:20 millions of particles/cu. ft. | |
| Propane | 74-98-6 | ACGIH | Limit value not established: | |
| Propane | 74-98-6 | OSHA | TWA:1800 mg/m3(1000 ppm) | |
| Methylene Chloride | 75-09-2 | ACGIH | TWA:50 ppm | A3: Confirmed animal carcin. |
| Methylene Chloride | 75-09-2 | OSHA | TWA:25 ppm;STEL:125 ppm | Skin Notation, 29 CFR 1910.1052 |
| Natural gas | 75-28-5 | ACGIH | Limit value not established: | |
| Isobutane | 75-28-5 | ACGIH | STEL:1000 ppm | |
| Nitrogen | 7727-37-9 | ACGIH | Limit value not established: | simple asphyxiant |
| Non-hazardous Components (NJTS Reg. No. 04499600-7230) | Trade Secret | CMRG | TWA(as total dust):10 mg/m3 | |

ACGIH : American Conference of Governmental Industrial Hygienists
AIHA : American Industrial Hygiene Association
CMRG : Chemical Manufacturer's Recommended Guidelines
OSHA : United States Department of Labor - Occupational Safety and Health Administration
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

**8.2. Exposure controls**

**8.2.1. Engineering controls**
Do not remain in area where available oxygen may be reduced. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray. If ventilation is not adequate, use respiratory protection equipment. Use explosion-proof ventilation equipment.

**8.2.2. Personal protective equipment (PPE)**

**Eye/face protection**

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:
Indirect Vented Goggles

**Skin/hand protection**
Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.
Gloves made from the following material(s) are recommended: Fluoroelastomer
Polymer laminate

**Respiratory protection**

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:
Half facepiece or full facepiece supplied-air respirator
Organic vapor respirators may have short service life.

For questions about suitability for a specific application, consult with your respirator manufacturer.

# SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

| | |
|---|---|
| **General Physical Form:** | Liquid |
| **Odor, Color, Grade:** | Various colored compressed liquid with strong solvent odor. |
| **Odor threshold** | *No Data Available* |
| **pH** | *No Data Available* |
| **Melting point** | *No Data Available* |
| **Boiling Point** | -44 ºF |
| **Flash Point** | -156 ºF [*Test Method:* Closed Cup] |
| **Evaporation rate** | *No Data Available* |
| **Flammability (solid, gas)** | Not Applicable |
| **Flammable Limits(LEL)** | 1.8 % |
| **Flammable Limits(UEL)** | 18 % |
| **Vapor Pressure** | *No Data Available* |
| **Vapor Density** | *No Data Available* |
| **Specific Gravity** | 0.83 - 0.9 |
| **Solubility in Water** | Nil |
| **Solubility- non-water** | *No Data Available* |
| **Partition coefficient: n-octanol/ water** | *No Data Available* |
| **Autoignition temperature** | *No Data Available* |
| **Decomposition temperature** | *No Data Available* |
| **Viscosity** | *No Data Available* |
| **VOC Less H2O & Exempt Solvents** | 448 g/l |

# SECTION 10: Stability and reactivity

**10.1. Reactivity**
This material may be reactive with certain agents under certain conditions - see the remaining headings in this section.

**10.2. Chemical stability**
Stable.

**10.3. Possibility of hazardous reactions**
Hazardous polymerization will not occur.

**10.4. Conditions to avoid**
Sparks and/or flames
Heat

**10.5. Incompatible materials**
Not determined

**10.6. Hazardous decomposition products**

| Substance | Condition |
|---|---|
| None known. | |

Refer to section 5.2 for hazardous decomposition products during combustion.

# SECTION 11: Toxicological information

**The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.**

**11.1. Information on Toxicological effects**

**Signs and Symptoms of Exposure**

**Based on test data and/or information on the components, this material may produce the following health effects:**

**Inhalation:**
Intentional concentration and inhalation may be harmful or fatal.

Simple Asphyxiation: Signs/symptoms may include increased heart rate, rapid respirations, drowsiness, headache, incoordination, altered judgement, nausea, vomiting, lethargy, seizures, coma, and may be fatal.

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

May cause target organ effects after inhalation.

**Skin Contact:**
Mild Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

**Eye Contact:**
Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**Ingestion:**
May be harmful if swallowed.
Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

**Target Organ Effects:**

**Single exposure may cause:**
Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Cardiac Sensitization: Signs/symptoms may include irregular heartbeat (arrhythmia), faintness, chest pain, and may be fatal.

**Carcinogenicity:**
Contains a chemical or chemicals which can cause cancer.

| Ingredient | C.A.S. No. | Class Description | Regulation |
|---|---|---|---|
| Methylene Chloride | 75-09-2 | Grp. 2B: Possible human carc. | International Agency for Research on Cancer |

| | | | |
|---|---|---|---|
| Methylene Chloride | 75-09-2 | Anticipated human carcinogen | National Toxicology Program Carcinogens |
| Methylene Chloride | 75-09-2 | Cancer hazard | OSHA Carcinogens |

**Medical conditions aggravated by exposure:**
Can aggravate pre-existing cardiovascular disease.

**Toxicological Data**
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

**Acute Toxicity**

| Name | Route | Species | Value |
|---|---|---|---|
| Overall product | Dermal | | No data available; calculated ATE > 5,000 mg/kg |
| Overall product | Inhalation-Dust/Mist(4 hr) | | No data available; calculated ATE > 12.5 mg/l |
| Overall product | Ingestion | | No data available; calculated ATE 2,000 - 5,000 mg/kg |
| Methylene Chloride | Dermal | Rat | LD50 > 2,000 mg/kg |
| Methylene Chloride | Inhalation-Vapor (4 hours) | Rat | LC50 63.7 mg/l |
| Methylene Chloride | Ingestion | Rat | LD50 1,410 mg/kg |
| Dimethyl Ether | Inhalation-Gas (4 hours) | Rat | LC50 164,000 ppm |
| Isobutane | Inhalation-Gas (4 hours) | Rat | LC50 276,000 ppm |
| Non-hazardous Components (NJTS Reg. No. 04499600-7230) | Inhalation-Dust/Mist (4 hours) | Multiple animal species | LC50 > 2.6 mg/l |
| Non-hazardous Components (NJTS Reg. No. 04499600-7230) | Dermal | Rabbit | LD50 > 3,160 mg/kg |
| Non-hazardous Components (NJTS Reg. No. 04499600-7230) | Ingestion | Rat | LD50 > 10,000 mg/kg |
| Propane | Inhalation-Gas (4 hours) | Rat | LC50 > 200,000 ppm |
| Nitrogen | Dermal | | LD50 estimated to be > 5,000 mg/kg |
| Nitrogen | Inhalation-Gas | | LC50 estimated to be > 50,000 ppm |
| Nitrogen | Ingestion | | LD50 estimated to be > 5,000 mg/kg |
| Talc | Dermal | | LD50 Not available |
| Talc | Ingestion | | LD50 Not available |

ATE = acute toxicity estimate

**Skin Corrosion/Irritation**

| Name | Species | Value |
|---|---|---|
| Methylene Chloride | Rabbit | Mild irritant |
| Isobutane | | No significant irritation |
| Non-hazardous Components (NJTS Reg. No. 04499600-7230) | Human | Minimal irritation |
| Propane | Rabbit | Minimal irritation |
| Nitrogen | Professional judgement | No significant irritation |
| Talc | Rabbit | No significant irritation |

**Serious Eye Damage/Irritation**

| Name | Species | Value |
|---|---|---|
| Methylene Chloride | Rabbit | Moderate irritant |
| Isobutane | | No significant irritation |
| Non-hazardous Components (NJTS Reg. No. 04499600-7230) | Rabbit | Mild irritant |
| Propane | Rabbit | Mild irritant |
| Nitrogen | Professio | No significant irritation |

| | | |
|---|---|---|
| | nal judgement | |
| Talc | Rabbit | No significant irritation |

## Skin Sensitization

| Name | Species | Value |
|---|---|---|
| Non-hazardous Components (NJTS Reg. No. 04499600-7230) | Guinea pig | Not sensitizing |

## Respiratory Sensitization

| Name | Species | Value |
|---|---|---|
| Talc | Human | Not sensitizing |

## Germ Cell Mutagenicity

| Name | Route | Value |
|---|---|---|
| Methylene Chloride | In vivo | Not mutagenic |
| Methylene Chloride | In Vitro | Some positive data exist, but the data are not sufficient for classification |
| Dimethyl Ether | In Vitro | Not mutagenic |
| Dimethyl Ether | In vivo | Not mutagenic |
| Isobutane | In Vitro | Not mutagenic |
| Non-hazardous Components (NJTS Reg. No. 04499600-7230) | In Vitro | Not mutagenic |
| Non-hazardous Components (NJTS Reg. No. 04499600-7230) | In vivo | Not mutagenic |
| Propane | In Vitro | Not mutagenic |
| Talc | In Vitro | Not mutagenic |
| Talc | In vivo | Not mutagenic |

## Carcinogenicity

| Name | Route | Species | Value |
|---|---|---|---|
| Methylene Chloride | Inhalation | Multiple animal species | Carcinogenic |
| Dimethyl Ether | Inhalation | Rat | Not carcinogenic |
| Talc | Inhalation | Rat | Some positive data exist, but the data are not sufficient for classification |

## Reproductive Toxicity

## Reproductive and/or Developmental Effects

| Name | Route | Value | Species | Test Result | Exposure Duration |
|---|---|---|---|---|---|
| Methylene Chloride | Inhalation | Not toxic to female reproduction | Rat | NOAEL 5.2 mg/l | 2 generation |
| Methylene Chloride | Inhalation | Not toxic to male reproduction | Rat | NOAEL 5.2 mg/l | 2 generation |
| Methylene Chloride | Inhalation | Some positive developmental data exist, but the data are not sufficient for classification | Multiple animal species | NOAEL 4.3 mg/l | during gestation |
| Dimethyl Ether | Inhalation | Not toxic to female reproduction | Rat | NOAEL 25,000 ppm | 2 years |
| Dimethyl Ether | Inhalation | Not toxic to male reproduction | Rat | NOAEL 25,000 ppm | 2 years |
| Dimethyl Ether | Inhalation | Not toxic to development | Rat | NOAEL 40,000 ppm | during organogenesis |
| Talc | Ingestion | Not toxic to development | Rat | NOAEL 1,600 mg/kg | during organogenesis |

## Target Organ(s)

## Specific Target Organ Toxicity - single exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure |
|---|---|---|---|---|---|---|

| | | | | | | Duration |
|---|---|---|---|---|---|---|
| Methylene Chloride | Dermal | blood | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL Not available | 4 hours |
| Methylene Chloride | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | occupational exposure |
| Methylene Chloride | Inhalation | blood | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| Methylene Chloride | Inhalation | respiratory irritation | Some positive data exist, but the data are not sufficient for classification | | NOAEL Not available | |
| Dimethyl Ether | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Rat | LOAEL 10,000 ppm | 30 minutes |
| Dimethyl Ether | Inhalation | cardiac sensitization | Some positive data exist, but the data are not sufficient for classification | Dog | NOAEL 100,000 ppm | 5 minutes |
| Isobutane | Inhalation | cardiac sensitization | Causes damage to organs | Multiple animal species | NOAEL Not available | |
| Isobutane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human and animal | NOAEL Not available | |
| Isobutane | Inhalation | respiratory irritation | All data are negative | Mouse | NOAEL Not available | |
| Propane | Inhalation | cardiac sensitization | Causes damage to organs | Human | NOAEL Not available | |
| Propane | Inhalation | central nervous system depression | May cause drowsiness or dizziness | Human | NOAEL Not available | |
| Propane | Inhalation | respiratory irritation | All data are negative | Human | NOAEL Not available | |

## Specific Target Organ Toxicity - repeated exposure

| Name | Route | Target Organ(s) | Value | Species | Test Result | Exposure Duration |
|---|---|---|---|---|---|---|
| Methylene Chloride | Inhalation | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 6.95 mg/l | 2 years |
| Methylene Chloride | Inhalation | liver | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 0.17 mg/l | 2 years |
| Methylene Chloride | Inhalation | respiratory system | Some positive data exist, but the data are not sufficient for classification | Multiple animal species | LOAEL 35 mg/l | 8 weeks |
| Methylene Chloride | Inhalation | heart | Some positive data exist, but the data are not sufficient for classification | Human | NOAEL Not available | |
| Methylene Chloride | Inhalation | immune system | All data are negative | Rat | NOAEL 18 mg/l | 28 days |
| Methylene Chloride | Ingestion | liver | Some positive data exist, but the data are not sufficient for classification | Rat | LOAEL 1,200 mg/kg/day | 3 months |
| Methylene Chloride | Ingestion | blood | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 249 mg/kg/day | 2 years |
| Methylene Chloride | Ingestion | kidney and/or bladder | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 1,469 mg/kg/day | 3 months |
| Methylene Chloride | Ingestion | eyes | All data are negative | Rat | NOAEL 249 mg/kg/day | 104 weeks |
| Dimethyl Ether | Inhalation | hematopoietic system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 25,000 ppm | 2 years |
| Dimethyl Ether | Inhalation | liver | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 20,000 ppm | 30 weeks |
| Isobutane | Inhalation | kidney and/or | Some positive data exist, but the | Rat | NOAEL | 13 weeks |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | bladder | data are not sufficient for classification | | 4,500 ppm | |
| Non-hazardous Components (NJTS Reg. No. 04499600-7230) | Ingestion | blood | All data are negative | Rat | NOAEL 2,500 mg/kg/day | 90 days |
| Talc | Inhalation | pneumoconiosis | Causes damage to organs through prolonged or repeated exposure | Human | NOAEL Not available | occupational exposure |
| Talc | Inhalation | pulmonary fibrosis \| respiratory system | Some positive data exist, but the data are not sufficient for classification | Rat | NOAEL 18 mg/m3 | 113 weeks |

**Aspiration Hazard**

| Name | Value |
|---|---|

**Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.**

# SECTION 12: Ecological information

## Ecotoxicological information

Please contact the address or phone number listed on the first page of the SDS for additional ecotoxicological information on this material and/or its components.

## Chemical fate information

Please contact the address or phone number listed on the first page of the SDS for additional chemical fate information on this material and/or its components.

# SECTION 13: Disposal considerations

### 13.1. Disposal methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Incinerate in a permitted waste incineration facility. As a disposal alternative, utilize an acceptable permitted waste disposal facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

**EPA Hazardous Waste Number (RCRA):** D001 (Ignitable)

# SECTION 14: Transport Information

| | | | |
|---|---|---|---|
| DOT HAZARD CLASS: | 2.1 | UN Number | UN 3501 |
| SHIPPING NAME: LIQUIFIED GAS, FLAMMABLE, NOS | | Packing Group | N/A |

# SECTION 15: Regulatory information

## 15.1. US Federal Regulations

Contact manufacturer for more information

**311/312 Hazard Categories:**

Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

**Section 313 Toxic Chemicals subject to the reporting requirements of that section and 40 CFR part 372 (EPCRA):**

| Ingredient | C.A.S. No | % by Wt |
|---|---|---|
| Methylene Chloride | 75-09-2 | 30 - 60 |

## 15.2. State Regulations

Contact manufacturer for more information

## 15.3. Chemical Inventories

The components of this product are in compliance with the chemical notification requirements of TSCA.

Contact manufacturer for more information

## 15.4. International Regulations

Contact manufacturer for more information

**This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.**

# SECTION 16: Other information

**NFPA Hazard Classification**
**Health:** 2 **Flammability:** 4 **Instability:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

MSDS Creation Date: January 24, 2014
MSDS Revision Date: October 7, 2014
MSDS Revision Notes: 16 section SDS
MSDS Author: Technical Department

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.