# SAFETY DATA SHEET

10-9353
Jun 27, 2018

## SECTION 1) CHEMICAL PRODUCT AND SUPPLIER'S IDENTIFICATION

| | | | |
|---|---|---|---|
| **Product ID :** | 10-9353 | | |
| **Product Name :** | Platinum Liners - Theming, B-Side | | |
| **Revision Date :** | Jun 27, 2018 | **Date Printed :** | Jun 27, 2018 |
| **Version:** | 1.0 | **Supersedes Date :** | N.A. |
| **Manufacturer's Name :** | Polysource Industries Inc., #1 | | |
| **Address :** | 19725 Telegraph Trail, Langley, BC, CAN, V1M 3E6 | | |
| **Emergency Phone :** | Chemtrec - (800) 424-9300; International - (703) 527-3887 | | |
| **Information Phone :** | (877) 986-8688 | | |
| **Fax :** | | | |

**Product/Recommended Uses:** For Further Information, Refer to the Product Technical Data Sheet.

## SECTION 2) HAZARDS IDENTIFICATION

### Classification:

Specific Target Organ Toxicity - Single Exposure - Category 1

Specific Target Organ Toxicity - Repeated Exposure - Category 2

Skin Corrosion - Category 1C

Serious Eye Damage - Category 1

Chronic aquatic toxicity - Category 2

Acute aquatic toxicity - Category 2

Acute toxicity, Oral - Category 5

### Pictograms:

### Signal Word:

Danger

### Hazardous Statements - Health:

H303 - May be harmful if swallowed

H318 - Causes serious eye damage

H314 - Causes severe skin burns and eye damage

H373 - May cause damage to organs through prolonged or repeated exposure.

H370 - Causes damage to organs.

### Hazardous Statements - Environmental:

H401 - Toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects

### Precautionary Statements - General:

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read label before use.

**Precautionary Statements - Prevention:**

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.

P264 - Wash thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

**Precautionary Statements - Response:**

P312 - Call a POISON CENTER/doctor if you feel unwell.

P391 - Collect spillage.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor.

P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P363 - Wash contaminated clothing before reuse.

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P321 - Specific treatment (see section 4 on this SDS).

P314 - Get Medical advice/attention if you feel unwell.

P308 + P311 - IF exposed or concerned: Call a POISON CENTER/doctor.

**Precautionary Statements - Storage:**

P405 - Store locked up.

**Precautionary Statements - Disposal:**

P501 - Dispose of contents/ container to an approved waste disposal plant.

## SECTION 3) COMPOSITION / INFORMATION ON INGREDIENTS

| CAS | Chemical Name | % by Weight |
|---|---|---|
| 0009046-10-0 | POLYOXYPROPYLENEDIAMINE | 7% - 13% |
| 0068479-98-1 | AROMATIC AMINE | 5% - 9% |
| 0014808-60-7 | QUARTZ | 0.8% - 1.3% |

## SECTION 4) FIRST-AID MEASURES

**Inhalation:**

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor.

If exposed/feel unwell/concerned: Call a POISON CENTER/doctor.

**Skin Contact:**

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Gently blot or brush away excess product. Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before re-use or discard.

IF exposed or concerned: Get medical advice/attention.

**Eye Contact:**

Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

**Ingestion:**

Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. If vomiting occurs naturally, lie on your side, in the recovery position.

Give 1 or 2 glasses of milk or water to drink and refer person to medical personnel. Do not give anything by mouth to an unconscious person.

IF exposed or concerned: Get medical advice/attention.

## SECTION 5) FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media:

Dry chemical, foam, carbon dioxide water spray or fog is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only.

### Specific Hazards in Case of Fire:

Sudden reaction and fire may result when the product is exposed to oxidizing agents.

### Fire-fighting Procedures:

Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid.

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

### Special Protective Actions:

Wear NIOSH approved self-contained breathing apparatus in positive pressure mode with full-face piece. Boots, gloves (neoprene), googles, and full protective clothing are also required.

Care should always be exercised in dust/mist areas.

## SECTION 6) ACCIDENTAL RELEASE MEASURES

### Emergency Procedure:

Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material. Clean up immediately.

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

### Recommended Equipment:

Positive pressure, full-face piece self-contained breathing apparatus(SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).

### Personal Precautions:

Avoid breathing vapors. Avoid contact with skin, eyes or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

### Environmental Precautions:

Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

### Methods and Materials for Containment and Cleaning up:

Soak up material with absorbent and shovel into a chemical waste container. Cover container, but do not seal, and remove from work area. Residues from spill cleanup may continue to be regulated under provisions of RCRA and require storage and disposal as hazardous waste. For major spills, call CHEMTREC (Chemical Transportation Emergency Center) at 800-424-9300.

## SECTION 7) HANDLING AND STORAGE

### General:

Wash hands after use.
Do not get in eyes, on skin or on clothing.
Do not breathe vapors or mists.
Use good personal hygiene practices.
Eating, drinking and smoking in work areas is prohibited.
Remove contaminated clothing and protective equipment before entering eating areas.

Eyewash stations and showers should be available in areas where this material is used and stored.

### Ventilation Requirements:

Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.

### Storage Room Requirements:

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty container retain residue and may be dangerous.
Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored.

Store in tightly sealed containers to protect from atmospheric moisture. Store in a cool dry area. Store liquid in containers above ground and surround by dikes to contain spills or leaks.

Ground and bond containers and receiving equipment. Avoid static electricity by grounding.

## SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

### Eye Protection:

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

### Skin Protection:

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over- boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

### Respiratory Protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers.
When airborne concentrations exceed or are expected to exceed the TLV, use MSHA/NIOSH approved positive pressure supplied air respirator with a full-face piece or an air supplied hood. For emergencies, use a positive pressure self-container breathing apparatus.

### Appropriate Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

| Chemical Name | OSHA TWA (ppm) | OSHA TWA (mg/m3) | OSHA STEL (ppm) | OSHA STEL (mg/m3) | OSHA-Tables-Z1,2,3 | OSHA Carcinogen | OSHA Skin designation | NIOSH TWA (ppm) | NIOSH TWA (mg/m3) | NIOSH STEL (ppm) | NIOSH STEL (mg/m3) | NIOSH Carcinogen |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QUARTZ | a | [10 mg/m3 percent SiO2+2 / 250 percent SiO2+5 mppcf]; [30 mg/m3 percent SiO2+2]; | | | 1,3 | | | | 0.05e | | | 1 |

| Chemical Name | ACGIH TWA (ppm) | ACGIH TWA (mg/m3) | ACGIH STEL (ppm) | ACGIH STEL (mg/m3) |
|---|---|---|---|---|
| QUARTZ | | 0.025 (R) | | |

## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

| | |
|---|---|
| Density | 9.06 lb/gal |
| Specific Gravity | 1.09 |
| VOC Regulatory | 0.00 lb/gal |
| VOC Part A & B Combined | N.A. |
| Appearance | Amber Liquid |
| Odor Threshold | N.A. |

| | |
|---|---|
| Odor Description | Amine Like |
| pH | N.A. |
| Water Solubility | N.A. |
| Flammability | N/A |
| Flash Point Symbol | N.A. |
| Flash Point | 100 °C |
| Viscosity | N.A. |
| Lower Explosion Level | N.A. |
| Upper Explosion Level | N.A. |
| Vapor Pressure | N.A. |
| Vapor Density | Heavier than air |
| Freezing Point | N.A. |
| Melting Point | N.A. |
| Low Boiling Point | 300 °C |
| High Boiling Point | N.A. |
| Auto Ignition Temp | N.A. |
| Decomposition Pt | N.A. |
| Evaporation Rate | Slower than ether |
| Coefficient Water/Oil | N.A. |

## SECTION 10) STABILITY AND REACTIVITY

**Stability:**

Material is stable at standard temperature and pressure.

**Conditions to Avoid:**

Heat, high temperature, open flame, and moisture. Avoid contact with incompatible materials.

**Hazardous Reactions/Polymerization:**

Will not occur.

**Incompatible Materials:**

This product will react with any material containing isocyanate. Some reactions can be violent.

**Hazardous Decomposition Products:**

Combustion products: organic vapors and thermal decomposition fragments.

## SECTION 11) TOXICOLOGICAL INFORMATION

**Skin Corrosion/Irritation:**

Product may be absorbed through skin and cause nausea, headache, and general discomfort.

Causes severe skin burns and eye damage

**Serious Eye Damage/Irritation:**

Vapors can irritate the eyes. Chemical burns may result due to overexposure. Affects of exposure may be delayed.

Causes serious eye damage

**Carcinogenicity:**

No data available

**Respiratory/Skin Sensitization:**

Inhalation : Severe overexposure may induce respiratory sensitization with asthma like symptoms. These symptoms may be immediate or delayed up to several hours after exposure. Chronic exposures may result in permanent decreases in lung function.

Skin sensitization may develop after repeated and/or prolonged contact.

**Germ Cell Mutagenicity:**

No data available

**Reproductive Toxicity:**

No data available

**Specific Target Organ Toxicity - Single Exposure:**

Causes damage to organs.

**Specific Target Organ Toxicity - Repeated Exposure:**

May cause damage to organs through prolonged or repeated exposure.

**Aspiration Hazard:**

No data available

**Acute Toxicity:**

If ingested : In humans, irritation or chemical burns of the mouth, pharynx, esophagus and stomach can develop following ingestion, and injury may be severe and cause death.

Repeated and prolonged exposure at low levels may result in adverse skin and eye effects, liver and kidney disorders.

**Chronic Exposure**

0014808-60-7 QUARTZ

Prolonged inhalation of respirable crystalline silica dust can result in lung disease (i.e. silicosis and/or lung cancer). Symptoms include coughing, shortness of breath, wheezing and reduced pulmonary function.

**Potential Health Effects - Miscellaneous**

0014808-60-7 QUARTZ

Is an IARC, NTP or OSHA carcinogen. Repeated overexposure to crystalline silica may lead to x-ray changes and chronic lung disease. Inhalation of high dust concentrations may cause: breathing difficulties, lung injury. WARNING: This chemical is known to the State of California to cause cancer.

## SECTION 12) ECOLOGICAL INFORMATION

**Toxicity:**

Toxic to aquatic life with long lasting effects.

Toxic to aquatic life

Toxic to aquatic life with long lasting effects

**Mobility in Soil:**

No data available.

**Other Adverse Effects:**

No data available.

## SECTION 13) DISPOSAL CONSIDERATIONS

**Waste Disposal:**

Under RCRA, it is the responsibility of the user of the product, to determine a the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.

Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

## SECTION 14) TRANSPORT INFORMATION

**U.S. DOT Information:**

Shipping Name: Amines, Liquid, Corrosive, n.o.s. (Polyoxypropylenediamine)
UN/NA #: 2735
Hazard Class: 8
Packing Group: III
Placard: Corrosive

**IMDG Information:**

Shipping Name: Amines, Liquid, Corrosive, n.o.s. (Polyoxypropylenediamine)
UN/NA #: 2735
Hazard Class: 8
Packing Group: III
Marine Pollutant: No data available

**IATA Information:**

Shipping Name: Amines, Liquid, Corrosive, n.o.s. (Polyoxypropylenediamine)
UN/NA #: 2735
Hazard Class: 8
Packing Group: III

## SECTION 15) REGULATORY INFORMATION

| CAS | Chemical Name | % By Weight | Regulation List |
|---|---|---|---|
| 0009046-10-0 | POLYOXYPROPYLENEDIAMINE | 7% - 13% | TSCA |
| 0068479-98-1 | AROMATIC AMINE | 5% - 9% | DSL,SARA312,VOC,TSCA |
| 0014808-60-7 | QUARTZ | 0.8% - 1.3% | DSL,SARA312,TSCA,California Proposition 65 |

## SECTION 16) OTHER INFORMATION

### OTHER INFORMATION:

* There are points of differences between OSHA GHS and UN GHS. In 90% of the categories, they can be used interchangeably, but for the Skin Corrosion/Irritant Category and the Specific Target Organ Toxicity (Single and Repeated Exposure) Categories. In these cases, our system will say UN GHS.

### GLOSSARY:

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ - Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA - Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

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