



Safety Data Sheet

Section 1 - Chemical Product and Company Information

Product Name: Smith's Polyaspartic 7000_{LO} / 8000_{LO} Part B **Product Code:** SCS-ASP7000B/8000B

Trade Name: Polyaspartic 7000_{LO} / 8000_{LO} Part B

Manufactured by:
Smith Paint Products
2200 Paxton Street
Harrisburg, PA 17111
(800) 466-8781

Chemtrec
2900 Fairview Park Drive
Falls Church, VA 22042-4513
(800) 262-8200

Emergency Hot Line:
(800) 424-9300

Product Use: Industrial maintenance coating

Not recommended for: Refer to Product Data Sheet

Section 2 - Hazards Identification

GHS Ratings:

| | | |
|---|---|---|
| Flammable liquid | 4 | Flash point $\geq 60^{\circ}\text{C}$ (140°F) and $\leq 93^{\circ}\text{C}$ (200°F) |
| Respiratory sensitization | 1 | Respiratory sensitizer |
| Skin sensitization | 1 | Skin sensitizer |
| Specific target organ toxicity single exposure | 3 | Transient target organ effects - Narcotic effects - Respiratory tract irritation |
| Specific target organ toxicity repeated exposure | 2 | Presumed to be harmful to human health - Animal studies with significant toxic effects relevant to humans at generally moderate exposure (guidance) - Human evidence in exceptional cases |

GHS Hazards

| | |
|------|---|
| H227 | Combustible liquid |
| H317 | May cause an allergic skin reaction |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled |
| H335 | May cause respiratory irritation |
| H336 | May cause drowsiness or dizziness |
| H373 | May cause damage to organs through prolonged or repeated exposure |

GHS Precautions

| | |
|------|--|
| P210 | Keep away from heat/sparks/open flames/hot surfaces. No smoking |
| P235 | Keep cool |
| P260 | Do not breathe dust / fume / gas / mist / vapors / spray |
| P261 | Avoid breathing dust / fume / gas / mist / vapors / spray |
| P271 | Use only outdoors or in a well-ventilated area |
| P272 | Contaminated work clothing should not be allowed out of the workplace |
| P280 | Wear protective gloves / protective clothing / eye protection / face protection. In case of inadequate ventilation wear respiratory protection |
| P285 | |
| P312 | Call a POISON CENTER or doctor/physician if you feel unwell |

| | |
|-----------|--|
| P314 | Get Medical advice / attention if you feel unwell |
| P321 | Specific treatment (see supplemental first aid instruction on this label) |
| P363 | Wash contaminated clothing before reuse |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water |
| P304+P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P304+P341 | IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing |
| P333+P313 | If skin irritation or rash occurs: Get medical advice / attention |
| P342+P311 | Call a POISON CENTER or doctor / physician |
| P370+P378 | In case of fire: Use appropriate media to extinguish |
| P405 | Store locked up |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed |
| P403+P235 | Store in a well-ventilated place. Keep cool |
| P501 | Dispose of contents / container in accordance with local / regional / national / international regulations |

Signal Word: Danger



Section 3 - Composition / Information on Ingredients

| Chemical Name | CAS number | Weight Concentration % |
|-------------------------------------|-------------|------------------------|
| Hexamethylene diisocyanate | 28182-81-2 | 60.00% - 70.00% |
| Di(propylene glycol) dimethyl ether | 111109-77-4 | 30.00% - 40.00% |

Section 4 - First Aid Measures

Inhalation: Move to fresh air. Give assisted respiration if breathing has stopped or is labored (call a physician)

Eye Contact: Stain for evidence of corneal injury. If cornea is burned, instill antibiotic / steroid preparation as needed. Vapors in the workplace could produce reversible corneal epithelial edema impairing vision.

Skin Contact: This compound is a skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burn.

Ingestion: Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of this compound.

Section 5 - Fire Fighting Measures

Flash Point: 75°C (167°F)

LEL:

UEL:

Flammable Limits:

Extinguishing Media: Ignition may give rise to a class B fire. In case of fire use: Water Fog, Carbon Dioxide, Dry Chemical, Alcohol Foam.

Unusual Fire and Explosion Hazards: May generate toxic or irritating combustion products. Sudden reaction and fire may result if product is mixed with an oxidizing agent. Solvent vapors may be heavier than air. Under conditions of stagnant air, vapors may build up and travel along the ground to an ignition source.

Hazardous Combustion Products: CO, CO₂, Aldehydes, Acids.

Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Water spray is useful in cooling fire-exposed vessels and in dispersing vapors.

Section 6 - Accidental Release Measures

Spill and Leak Procedures: Evacuate non-essential personnel. Shut off all sources of ignition. Put on personal protective equipment. Control the source of the leak and ventilate. Contain the spill to prevent spread to drains, sewers, water supplies and soil. Pour decontamination solution over spill and allow to react for at least 15 minutes. Collect material in open containers with further amounts of decontamination solution. Wash down spill area with decontamination solution.

Section 7 - Handling and Storage

Handling Precautions: Store in a cool, well ventilated area. Keep away from heat and open flames. Avoid prolonged inhalation of heated vapors or mists. Avoid prolonged skin contact. Use non-sparking tools and grounding cables when transferring. Containers may be hazardous when empty.

Storage Requirements: Avoid temperature extremes. Store away from excessive heat, from sources of ignition and from reactive materials. Material can burn; limit indoor storage to areas equipped with automatic sprinklers. Store out of direct sunlight in a cool place. Keep containers tightly closed. Ground all metal containers during storage and handling.

Section 8 - Exposure Controls / Personal Protection

| Chemical Name / CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|--|----------------------|-----------------------|-----------------------|
| Hexamethylene diisocyanate 28182-81-2 | Not Established | Not Established | Not Established |
| Di(propylene glycol) dimethyl ether 111109-77-4 | Not Established | Not Established | Not Established |

Engineering Controls: Exhaust ventilation sufficient to keep airborne concentration of the solvents below their respective TLV's Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

Respiratory Protection: A respirator that is recommended for use in isocyanate containing environments (air purifying or fresh air supplied) may be necessary for spray applications or other situations such as high temperature use which may produce inhalation exposures. A supplied air respirator (either positive pressure type or continuous flow type) is recommended. Before an air purifying respirator can be used, air monitoring must be performed to determine the airborne concentrations of HDI Monomer, HDI Polyisocyanate and organic solvents.

Protective Gear: Long sleeved shirts and pants. Emergency showers and wash stations should be readily accessible. Nitrile rubber protective gloves. Splash-proof goggles or chemical safety glasses.

Section 9 - Physical and Chemical Properties

| | |
|---|--|
| <p>Physical State: Liquid</p> <p>Odor: Mild, faint odor</p> <p>Melting point / freezing point: Not available</p> <p>Flammability: Not available</p> <p>Flash point: 75°C (167°F)</p> <p>Decomposition temperature: Not available</p> <p>Kinematic viscosity: Not available</p> <p>Partition coefficient n-octanol/water: Not Available</p> <p>Relative density: 1.05</p> <p>Particle characteristics: Not available</p> | <p>Color: Clear</p> <p>Odor threshold: Not available</p> <p>Boiling point or initial boiling point and range: 175°C (347°F)</p> <p>Lower and upper explosion limit: N/A</p> <p>Auto-ignition temperature: 460°C (860°F)</p> <p>pH: Not available</p> <p>Solubility: Not miscible in water</p> <p>Vapor pressure: 0.000048 mmHg</p> <p>Relative vapor density: N/A</p> |
|---|--|

Section 10 - Stability and Reactivity

Stability: Stable, however may form peroxides of unknown stability
STABLE

Incompatibilities/Materials to avoid: water, amines, strong bases, alcohols, metal compounds and surface active materials

No Data Available

Hazardous Decomposition: By high heat and fire; CO, CO₂, oxides of nitrogen, HCN, HDI

No Data Available

Hazardous polymerization will not occur

Section 11 - Toxicological Information

Mixture Toxicity

Dermal Toxicity LD50: 4,834mg/kg

Inhalation Toxicity LC50: 45mg/L

Component Toxicity

28182-81-2 Hexamethylene diisocyanate
Oral LD50: 2,500 mg/kg (Rat (female)) Dermal LD50: 2,000 mg/kg (Rat)

Carcinogenic Data: NTP: None OSHA: None IARC: None

| CAS Number: | Description: | % Weight: | Carcinogen Rating: |
|-------------|--------------|-----------|--------------------|
| None | | | No Data Available |

Section 12 - Ecological Information

Component Ecotoxicity

Section 13 - Disposal Considerations

Waste Disposal Methods: Incineration is preferred. Comply with all federal, state and local regulations. RCRA classified hazardous waste with characteristic of ignitability.

Section 14 - Transport Information

This material is classified for transport as follows:

| <u>Agency</u> | <u>Proper Shipping Name</u> | <u>UN Number</u> | <u>Packing Group</u> | <u>Hazard Class</u> |
|---------------|-----------------------------|------------------|----------------------|---------------------|
| DOT | Not Regulated | | | |
| IATA-ICA | Not Regulated | | | |
| IMO-IMD | Not Regulated | | | |

Section 15 - Regulatory Information

The state of California Safe Drinking Water and Toxic Enforcement Act of 1986 "Proposition 65" Warning, this product can expose you to chemicals which are known to the state of California to cause cancer. For more information go to www.p65warnings.ca.gov.

No Data Available

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

No Data Available

R2K List

28182-81-2 Hexamethylene diisocyanate

Country

Regulation

All Components Listed

No Data Available

Section 16 - Other Information

The material contained in this Safety Data Sheet is based on information supplied to Smith Paint Products by the raw material suppliers of the individual components of this product. Smith Paint Products believes this information is truthful and reliable. However, no warranty is expressed or implied regarding the accuracy of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and health and safety of your employees and users of this material. As more information becomes available from our vendors additional revisions will be forthcoming.

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Prepared by: Roberto Fierro