Section 1 - Chemical Product and Company Information

Product Name: Smith's Polyaspartic 4000 Part B    Product Code: SCS-ASP4000B  
Trade Name: Polyaspartic 4000 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

Section 2 - Hazards Identification

GHS Ratings:
- Inhalation Toxicity 2: Gases>100+<=500ppm, Vapors>0.5+<=2mg/l, Dusts&mists>0.05+<=0.5mg/l  
- Respiratory sensitizer 1: Respiratory sensitizer  
- Skin sensitizer 1: Skin sensitizer  
- Carcinogen 1B: Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity

GHS Hazards:
- H317: May cause an allergic skin reaction
- H330: Fatal if inhaled
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H350: May cause cancer

GHS Precautions:
- P201: Obtain special instructions before use
- P202: Do not handle until all safety precautions have been read and understood
- P261: Avoid breathing dust/fume/gas/mist/vapours/spray
- P272: Contaminated work clothing should not be allowed out of the workplace
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P281: Use personal protective equipment as required
- P285: In case of inadequate ventilation wear respiratory protection
- P321: Specific treatment (see ... on this label)
- P363: Wash contaminated clothing before reuse
- P302+P352: IF ON SKIN: Wash with soap and water
- P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
- P308+P313: IF exposed or concerned: Get medical advice/attention
- P333+P313: If skin irritation or a rash occurs: Get medical advice/attention
- P342+P311: Call a POISON CENTER or doctor/physician
- P405: Store locked up
Signal Word: Danger

Section 3 - Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS number</th>
<th>Weight Concentration %</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE</td>
<td>28182-81-2</td>
<td>90.00% - 100.00%</td>
</tr>
<tr>
<td>SOLVENT NAPHTHA HEAVY AROMATIC</td>
<td>64742-94-5</td>
<td>5.00% - 10.00%</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>91-20-3</td>
<td>0.10% - 1.00%</td>
</tr>
</tbody>
</table>

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:** N/A

**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

<table>
<thead>
<tr>
<th>Chemical Name / CAS No.</th>
<th>OSHA Exposure Limits</th>
<th>ACGIH Exposure Limits</th>
<th>Other Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>28182-81-2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOLVENT NAPHTHA HEAVY AROMATIC</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>64742-94-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naphthalene 91-20-3</td>
<td>(Vacated) TWA: 10 ppm</td>
<td>TWA: 10 ppm Skin</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Vacated) TWA: 50 mg/m3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Vacated) STEL: 15 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(Vacated) STEL: 75 mg/m3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA: 10 ppm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA: 50 mg/m3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Appearance: Liquid</th>
<th>Odor: Not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure: Not determined</td>
<td>Odor threshold: Not determined</td>
</tr>
<tr>
<td>Vapor Density: Not determined</td>
<td>pH: Not determined</td>
</tr>
<tr>
<td>Density: 9.48 lbs/gal</td>
<td>Solubility: Immiscible</td>
</tr>
<tr>
<td>Boiling point: Not determined</td>
<td>Flash point: 150°F</td>
</tr>
<tr>
<td>Evaporation rate: Not determined</td>
<td>Flammability: Not determined</td>
</tr>
<tr>
<td>Explosive Limits: Not determined</td>
<td>Partition coefficient (n-octanol/water): Not determined</td>
</tr>
<tr>
<td>Autoignition temperature: Not determined</td>
<td>Decomposition temperature: Not determined</td>
</tr>
</tbody>
</table>
**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.

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

Hazardous polymerization will not occur.

**Section 11 - Toxicological Information**

**Mixture Toxicity**
- Oral Toxicity LD50: 2,614mg/kg
- Inhalation Toxicity LC50: 1mg/L

**Component Toxicity**
- 28182-81-2 HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE
  - Oral LD50: 2,500 mg/kg (Rat (female))
  - Inhalation LC50: 1 mg/L (Rat (male))
- 91-20-3 Naphthalene
  - Oral LD50: 490 mg/kg (Rat)
  - Inhalation LC50: 340 mg/m3 (Rat)

**Carcinogenic Data:**
- NTP: None
- OSHA: None
- IARC: None

**CAS Number**
- 91-20-3: Naphthalene 1% - 1.0%

**Section 12 - Ecological Information**

**Component Ecotoxicity**
- Naphthalene

**Toxicity to fish**
- LC50 - Oncorhynchus mykiss (rainbow trout) - 0.9 - 9.8 mg/l - 96.0 h
- LC50 - Pimephales promelas (fathead minnow) - 1 - 6.5 mg/l - 96.0 h
- NOEC - other fish - 1.8 mg/l - 3.0 d
- LOEC - other fish - 3.2 mg/l - 3.0 d

**Toxicity to daphnia and other aquatic invertebrates**
- EC50 - Daphnia magna (Water flea) - 1.00 - 3.40 mg/l - 48 h

**Toxicity to algae**
- EC50 - No information available. - 33.00 mg/l - 24 h

**Bioaccumulation**
- Fish Bioconcentration factor (BCF): 427 - 1,158

**Other adverse effects**
- An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.
- An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
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:

Smith's Polyaspartic Gloss Part B is not regulated as a hazardous material per 49 CFR 173. 120 (a) (3), ICAO/IATA 3.3.1.3 (a) , IMDG 2.3.1.3 (1) , and ADR 2.2.3.1.1 NOTE 1.

<table>
<thead>
<tr>
<th>Agency</th>
<th>Proper Shipping Name</th>
<th>UN Number</th>
<th>Packing Group</th>
<th>Hazard Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR/RID</td>
<td>PETROLEUM DISTILLATES, N.O.S. MARINE POLLUTANT (NAPHTHALENE)</td>
<td>UN 1268</td>
<td>III</td>
<td></td>
</tr>
<tr>
<td>DOT</td>
<td>PETROLEUM DISTILLATES, N.O.S. MARINE POLLUTANT (NAPHTHALENE)</td>
<td>UN 1268</td>
<td>III</td>
<td></td>
</tr>
<tr>
<td>IATA</td>
<td>PETROLEUM DISTILLATES, N.O.S. MARINE POLLUTANT (NAPHTHALENE)</td>
<td>UN 1268</td>
<td>III</td>
<td></td>
</tr>
<tr>
<td>IMDG</td>
<td>PETROLEUM DISTILLATES, N.O.S. MARINE POLLUTANT (NAPHTHALENE)</td>
<td>UN 1268</td>
<td>III</td>
<td></td>
</tr>
</tbody>
</table>

Section 15 - Regulatory Information

This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:
  91-20-3  Naphthalene  Carcinogen

R2K List
  28182-81-2  HOMOPOLYMER OF HEXAMETHYLENE DIISOCYANATE
  91-20-3  Naphthalene

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.

Date Prepared: 8/29/2019