Section 1 - Product and Company Identification

Trade Name: NSP 120 Hardener (All Versions) Sold as Watergard 300 by Progressive Epoxy Polymers
603-435-7199

Company:
NSP Specialty Products
106 Mid South Road
West End, NC 27376
+1 (910) 235-0468

Product Use: Coatings

Emergency Contact:
ChemTel 24 Hr. US Emergency Number:
+1 (800) 255-3934
ChemTel 24 Hr. Worldwide Emergency Number:
+1 (813) 248-0585

Not recommended for: None Identified

Section 2 - Hazards Identification

GHS Ratings:

- Oral Toxicity Acute Oral: >300+<=2000mg/kg
- Skin Corrosive: 1A Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal
- Eye Corrosive: 1 Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
- Skin Sensitizer: 1 Skin Sensitizer
- Mutagen: 2 Suspected/Possible: May include heritable mutations in human germ cells, Positive evidence from tests in mammals and somatic cell tests, In vivo somatic genotoxicity supported by in vitro mutagenicity
- Carcinogen: 1A Known Human Carcinogen Based on human evidence

GHS Hazards

- H302 Harmful if swallowed
- H314 Causes severe skin burns and eye damage
- H317 May cause an allergic skin reaction
- H318 Causes serious eye damage
- H341 Suspected of causing genetic defects
- 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
- P260 Do not breathe dust/fume/gas/mist/vapours/spray
- P261 Avoid breathing dust/fume/gas/mist/vapours/spray
- P264 Wash thoroughly after handling
- P270 Do not eat, drink or smoke when using this product
- 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
- P310 Immediately call a POISON CENTER or doctor/physician
- P321 Specific treatment (see label)
- P330 Rinse mouth
- P363 Wash contaminated clothing before reuse
- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
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>Benzyl Alcohol</td>
<td>100-51-6</td>
<td>20.00% - 30.00%</td>
</tr>
<tr>
<td>Isophorone Diamine</td>
<td>2855-13-2</td>
<td>20.00% - 30.00%</td>
</tr>
<tr>
<td>Quartz</td>
<td>14808-60-7</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>Bisphenol A diglycidyl ether resin</td>
<td>25068-38-6</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>Hydrous magnesium silicate</td>
<td>14807-96-6</td>
<td>5.00% - 10.00%</td>
</tr>
<tr>
<td>2,2,4-Trimethyl-1,6-hexanediamine</td>
<td>25620-58-0</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Phenol</td>
<td>108-95-2</td>
<td>1.00% - 5.00%</td>
</tr>
<tr>
<td>Trade Secret</td>
<td></td>
<td>1.00% - 5.00%</td>
</tr>
</tbody>
</table>

Section 4 - First Aid Measures

**Inhalation:** If affected, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

**Eye Contact:** Immediately flush eyes for at least fifteen minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. If eye irritation persists: Get medical advice/attention.

**Skin contact:** Immediately remove contaminated clothing and shoes. Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

**Ingestion:** Do not induce vomiting. Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position. Get immediate medical attention.

Section 5 - Fire Fighting Measures
Section 6 - Accidental Release Measures

Spill And Leak Procedures: Avoid all personal contact. Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Spills should be contained, solidified, and placed in suitable containers for disposal.

Section 7 - Handling and Storage

Handling Precautions: Use good laboratory/workplace procedures. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Discard shoes contaminated with this product.

Storage Requirements: Keep away from heat, sparks, and open flames. Store cool and dry, under well-ventilated conditions. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use.

Section 8 - Exposure Controls / Personal Protection

<table>
<thead>
<tr>
<th>Chemical Name / CAS #</th>
<th>OSHA Exposure Limits</th>
<th>ACGIH Exposure Limits</th>
<th>Other Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl Alcohol 100-51-6</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Isophorone Diamine 2855-13-2</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Quartz 14808-60-7</td>
<td>TWA30 mg/m3 / %SiO2+2 total dust TWA: 10 mg/m3 /%SiO2+2 respirable fraction</td>
<td>TWA: 0.025 mg/m3</td>
<td>Not Established</td>
</tr>
<tr>
<td>Bisphenol A diglycidyl ether resin 25068-38-6</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Hydrous magnesium silicate 14807-96-6</td>
<td>TWA: 20 million particles per ft3</td>
<td>TWA: 2 mg/m3</td>
<td>Not Established</td>
</tr>
<tr>
<td>2,2,4-Trimethyl-1,6-hexanediameine 25620-58-0</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Phenol 108-95-2</td>
<td>TLV-TWA: 5 ppm</td>
<td>TLV-TWA: 5 ppm</td>
<td>Not Established</td>
</tr>
<tr>
<td>Trade Secret</td>
<td>TLV-TWA: 15 mg/m3 (total particles), 5 mg/m3 (respirable particles) TLV-TWA: 10 mg/m3 (total particles), 3 mg/m3 (respirable particles)</td>
<td>Not Established</td>
<td></td>
</tr>
</tbody>
</table>
Ventilation: Good general mechanical ventilation and local exhaust is recommended.

Hygiene: Eye wash must be easily accessible. Wear protective clothing as necessary to prevent contact. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. Gloves must be inspected regularly and prior to each use. Replace if necessary.

Personal Protective Equipment: Wear impervious protective gloves. Wear OSHA, NIOSH approved organic vapor respirator if ventilation is inadequate. Wear appropriate protective eyewear such as splash-proof, chemical resistant safety goggles.

Contaminated Gear: Take off all contaminated clothing immediately. Wash contaminated clothing before reuse.

Section 9 - Physical and Chemical Properties

This mixture typically exhibits the following properties under normal circumstances:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance: Liquid</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure: 0.053 mm Hg</td>
<td>Odor: Not available</td>
</tr>
<tr>
<td>Vapor Density: Not available</td>
<td>Odor threshold: Not available</td>
</tr>
<tr>
<td>Density (g/cm3): 1.20</td>
<td>pH: Not available</td>
</tr>
<tr>
<td>Freezing point: Not available</td>
<td>Melting point: Not available</td>
</tr>
<tr>
<td>Boiling range: Not available</td>
<td>Solubility: Not available</td>
</tr>
<tr>
<td>Evaporation rate: Not available</td>
<td>Flash point: 125 C, 257 F</td>
</tr>
<tr>
<td>Explosive Limits: Not available</td>
<td>Flammability: Not available</td>
</tr>
<tr>
<td>Autoignition temperature: Not available</td>
<td>Partition coefficient (n-octanol/water): Not available</td>
</tr>
<tr>
<td>Viscosity: Not available</td>
<td>Decomposition temperature: Not available</td>
</tr>
<tr>
<td></td>
<td>Grams VOC less water: Not available</td>
</tr>
</tbody>
</table>

Section 10 - Stability and Reactivity

Stability: STABLE

Components of this mixture are incompatible with the following materials:
- Strong Acids
- Strong Bases
- Strong Oxidizers
- Strong Reducing Agents
- Amines

This mixture is likely to exhibit the following combustion products:
- Ammonia
- Carbon Dioxide, Carbon Monoxide
- Biphenyls
- Nitrogen Oxides

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity:
- Oral Toxicity LD50: 1,903mg/kg
- Inhalation Toxicity LC50: 12mg/L

Component Toxicity:
- 100-51-6 Benzyl Alcohol
  Oral LD50: 1,620 mg/kg (Rat) Dermal LD50: 2,010 mg/kg (Rabbit) Inhalation LC50: 4 mg/L
- 2855-13-2 Isophorone Diamine
Oral LD50: 1,030 mg/kg (rat)  Dermal LD50: 2,000 mg/kg (rat)  Inhalation LC50: 5 mg/L (rat)

25620-58-0  2,2,4-Trimethyl-1,6-hexanediamine
Oral LD50: 910 mg/kg (rat)

108-95-2  Phenol
Oral LD50: 410 mg/kg (rat)  Dermal LD50: 630 mg/kg (rabbit)  Inhalation LC50: 900 mg/m3 (rat)

Routes of Entry:
Inhalation  Skin Contact  Eye Contact  Ingestion

Exposure to this material may affect the following organs:
Lungs  Respiratory System

The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing):

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Description</th>
<th>% Weight</th>
<th>Carcinogen Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>14808-60-7</td>
<td>Quartz</td>
<td>10 to 20%</td>
<td>Quartz: If product is in liquid or paste form, physical or health hazards listed related to dust are not considered significant. However, product may contain substances that could be potential hazards if caused to become airborne due to grinding, sanding or other abrasive processes.</td>
</tr>
</tbody>
</table>

Section 12 - Ecological Information

Component Ecotoxicity:
Benzyl Alcohol  LC50 460 mg/l fish 96 h; EC50 360 ppm water flea 48 h; EC50 640 mg/l algae 96 h; EC10 658 mg/l bacteria 16 h
Isophorone Diamine  LC50 110 mg/l fish 96h; ErC50 50 mg/l algae 72h; EC10 1120 mg/l bacteria 18h
Quartz  LC50 >10,000 mg/l fish 72h; EC50 7600 mg/L water flea 48h; EC50 440mg/L algae, 72h;
Bisphenol A diglycidyl ether resin  LC50 3.1 mg/l fish 96h; EC50 2.1 mg/l water flea 48h; EC50 >11mg/l Algae 72h; LC50 >100mg/l bacteria 3h
Hydrous magnesium silicate  LC50 >100 g/l fish
2,2,4-Trimethyl-1,6-hexanediamine  LC50 172.0 mg/l Fish 48h; EC50 31.5 mg/l water flea 24h; EC50 29.5 mg/l algae 72h;
Phenol  LC50 52.5 mg/l fish 96h; EC50 56 mg/l water flea 48h; EC50 370.0 mg/l algae 96 h;

Section 13 - Disposal Considerations

Waste disposal Methods: Dispose in accordance with Federal, State and Local regulations.

Section 14 - Transport Information

This material is classified for transport as follows:

<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>DOT</td>
<td>Paint Related Material, Corrosive</td>
<td>3066</td>
<td>III</td>
<td>8</td>
</tr>
<tr>
<td>IATA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IMDG</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section 15 - Regulatory Information

SDS: NSP 120 Hardener
Additional regulatory listings, where applicable:

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:
- Hydrous magnesium silicate 14807-96-6
- Quartz 14808-60-7

Materials not included on the Canada DSL inventory:
- None

Commonwealth of Massachusetts "Right to Know": This product contains the following toxic or hazardous substances which appear on the Massachusetts Substance List:
- Phenol 108-95-2
- Hydrous magnesium silicate 14807-96-6
- Quartz 14808-60-7
- Benzyl Alcohol 100-51-6

NJ "Right to Know": This product contains the following toxic or hazardous substances which appear on the New Jersey Substance List:
- Phenol 108-95-2
- 2,2,4-Trimethyl-1,6-hexanediamine 25620-58-0
- Hydrous magnesium silicate 14807-96-6
- Bisphenol A diglycidyl ether resin 25068-38-6
- Quartz 14808-60-7
- Benzyl Alcohol 100-51-6

Pennsylvania "Right to Know": This product contains the following toxic or hazardous substances which appear on the Pennsylvania Substance List:
- Phenol 108-95-2
- 2,2,4-Trimethyl-1,6-hexanediamine 25620-58-0
- Hydrous magnesium silicate 14807-96-6
- Bisphenol A diglycidyl ether resin 25068-38-6
- Quartz 14808-60-7
- Benzyl Alcohol 100-51-6

EPA SARA Title III Section 313 (40 CFR 372) components above 'de minimum' level:
- Phenol 108-95-2

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:
- None

Country | Regulation | All Components Listed
--- | --- | ---

EU Risk Phrases

Safety Phrase

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory:
- None

EPA SARA Title III Section 313 (40 CFR 372) components above 'de minimum' level:
For further information, please contact the Product Safety director. The information and recommendations contained herein are, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. No representations or warranties, either expressed or implied of merchantability, fitness for a particular purpose, or any other nature, are made hereunder with respect to the information contained herein, or to the chemical to which the user refers.