Section 1 - Product and Company Identification

Trade Name: NSP 120 Resin (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:

- Skin Corrosive 1B: Destruction of dermal tissue: Exposure < 1 hour Observation < 14 days, 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
- Respiratory sensitizer 1:
- Skin Sensitizer 1:
- 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
- Aquatic toxicity C3: Acute toxicity > 10.0 but <= 100.0 mg/l and lack of rapid degradability and log Kow >= 4 unless BCF < 500 and unless chronic toxicity > 1 mg/l

GHS Hazards

- H314: Causes severe skin burns and eye damage
- H317: May cause an allergic skin reaction
- H318: Causes serious eye damage
- H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H341: Suspected of causing genetic defects
- H350: May cause cancer
- H412: Harmful to aquatic life with long lasting effects

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
- P272: Contaminated work clothing should not be allowed out of the workplace
- P273: Avoid release to the environment
- 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
- P310: Immediately call a POISON CENTER or doctor/physician
Specific treatment (see label)
Wash contaminated clothing before reuse
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
IF ON SKIN: Wash with soap and water
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
IF exposed or concerned: Get medical advice/attention
If skin irritation or a rash occurs: Get medical advice/attention
Call a POISON CENTER or doctor/physician
Store locked up
Dispose of contents/container in accordance with all local, regional, national, and international regulations.

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>Bisphenol A diglycidyl ether resin</td>
<td>25068-38-6</td>
<td>40.00% - 50.00%</td>
</tr>
<tr>
<td>Quartz</td>
<td>14808-60-7</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>10.00% - 20.00%</td>
</tr>
<tr>
<td>Butyl Glycidyl Ether</td>
<td>2426-08-6</td>
<td>5.00% - 10.00%</td>
</tr>
<tr>
<td>Hydrous magnesium silicate</td>
<td>14807-96-6</td>
<td>5.00% - 10.00%</td>
</tr>
<tr>
<td>Amorphous Silica</td>
<td>112926-00-8</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

SDS: NSP 120 Resin
Flash Point: 227 C (441 F)  LEL:  UEL:  

Extinguishing Media: Use carbon dioxide, foam, dry chemical, dry sand, water fog, or limestone powder extinguishing systems.  

Unusual Fire and Explosion Hazards: None  

Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See section 10 (Stability and Reactivity) for additional information.  

Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus.  

Fire Equipment: No Data  

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>Bisphenol A diglycidyl ether resin 25069-38-6</td>
<td>Not Established</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Quartz 14808-60-7</td>
<td>TWA: 30 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>Titanium Dioxide 13463-67-7</td>
<td>TWA: 15 mg/m3</td>
<td>TWA: 10 mg/m3</td>
<td>Not Established</td>
</tr>
<tr>
<td>Butyl Glycidyl Ether 2426-08-6</td>
<td>TLV-TWA: 270 mg/m3</td>
<td>TWA: 3 ppm</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>Amorphous Silica 112926-00-8</td>
<td>OEL-TWA: 80 mg/m3</td>
<td>Not Established</td>
<td>Not Established</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</td>
<td>Liquid</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>0.47 mm Hg</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Density (g/cm³)</td>
<td>1.58</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling range</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive Limits</td>
<td>Not available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>227 C, 441 F</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Grams VOC less water</td>
<td>Not available</td>
</tr>
</tbody>
</table>

### Section 10 - Stability and Reactivity

**Stability:**

STABLE

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

**This mixture is likely to exhibit the following combustion products:**

No Data

Hazardous polymerization will not occur.

### Section 11 - Toxicological Information

**Mixture Toxicity:**
Inhalation Toxicity LC50: 274mg/L

**Component Toxicity:**
- 13463-67-7 Titanium Dioxide
  - Inhalation LC50: 7 mg/kg (Rat)
- 2426-08-6 Butyl Glycidyl Ether
  - Oral LD50: 1,000 mg/kg (rat)  Dermal LD50: 788 mg/kg (rabbit)  Inhalation LC50: 1,030 ppm

**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>
</table>

SDS: NSP 120 Resin
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.

Butyl Glycidyl Ether:

Section 12 - Ecological Information

Component Ecotoxicity:
- 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
- Quartz: LC50 >10,000 mg/l fish 72h; EC50 7600 mg/L water flea 48h; EC50 >440mg/L algae 96h
- Titanium Dioxide: LC50 >1000 mg/l fish 96h; EC50 >1000 mg/l water flea 48h; EC50 >100 mg/l algae 72h
- Butyl Glycidyl Ether: LC50 65 mg/l fish 96h; EC50 3.9mg/l water flea 48h; ErC50 35 mg/l algae 96h
- Hydrous magnesium silicate: LC50 >100 g/l fish

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>DOY</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

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
- Titanium Dioxide 13463-67-7
- 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:
- Amorphous Silica 112926-00-8
- Hydrous magnesium silicate 14807-96-6
- Butyl Glycidyl Ether 2426-08-6
NJ "Right to Know": This product contains the following toxic or hazardous substances which appear on the New Jersey Substance List:
- Amorphous Silica 112926-00-8
- Hydrous magnesium silicate 14807-96-6
- Butyl Glycidyl Ether 2426-08-6
- Titanium Dioxide 13463-67-7
- Quartz 14808-60-7
- Bisphenol A diglycidyl ether resin 25068-38-6

Pennsylvania "Right to Know": This product contains the following toxic or hazardous substances which appear on the Pennsylvania Substance List:
- Amorphous Silica 112926-00-8
- Hydrous magnesium silicate 14807-96-6
- Butyl Glycidyl Ether 2426-08-6
- Titanium Dioxide 13463-67-7
- Quartz 14808-60-7
- Bisphenol A diglycidyl ether resin 25068-38-6

EPA SARA Title III Section 313 (40 CFR 372) components above 'de minimum' level:
- None

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:

**Section 16 - Other Information**

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.

Date Revised: 2016-04-20

Revision #: 1