Safety Data Sheet: PIPE SEALANT WITH PTFE

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: PIPE SEALANT WITH PTFE
Recommended use: Sealant
Information on Manufacturer: Partsmaster, Div of NCH Corp.
P.O. Box 655326
Dallas, TX 75265-5326

Product Code: 4825

Chemical nature: mixture

Emergency Telephone Number: CHEMTREC® 800-424-9300

2. HAZARD IDENTIFICATION

Color: Off-white
Physical State: Paste
Odor: Mild

GHS Classification
Physical Hazards:
None

Health Hazard:
Acute Inhalation Toxicity - Vapors: Category 4
Skin Corrosion/Irritation: Category 2
Serious Eye Damage/Eye Irritation: Category 2A
Skin Sensitization: Category 1
Specific target organ systemic toxicity (single exposure): Category 3

Other hazards:
None

Labeling
Signal Word: WARNING

Hazard Statements:
H315 - Causes skin irritation
H316 - May cause skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H322 - Harmful if inhaled
H336 - May cause drowsiness or dizziness

Precautionary Statements:
P280 - Wear protective gloves, protective clothing and eye protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P271 - Use in a well-ventilated area.
P302+ P352 - IF ON SKIN: Wash with plenty of soap and water
P337 + P313 - If eye irritation persists, get medical attention.
P332 + P313 - If skin irritation or rash occurs, get medical attention.
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a physician if unwell.
P403 - Store in a well-ventilated place.
P233 - Keep container tightly closed.
P501 - Dispose of contents and container in accordance with applicable regulations.

60 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymethacrylate</td>
<td>25852-47-5</td>
<td>30-60</td>
</tr>
<tr>
<td>Phthalic acid, benzyl alkyl(C7-C8) ester</td>
<td>68515-40-2</td>
<td>15-40</td>
</tr>
<tr>
<td>Treated fumed silica</td>
<td>67762-90-7</td>
<td>5-10</td>
</tr>
<tr>
<td>Polytetrafluoroethylene</td>
<td>9002-84-0</td>
<td>5-10</td>
</tr>
<tr>
<td>Cellulose acetate butyrate</td>
<td>9004-36-8</td>
<td>5-10</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

General advice
Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Eye Contact
Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Skin Contact
Wipe up with absorbent material (e.g. cloth, fleece). Wash off with soap and plenty of water. Get medical attention if irritation develops and persists.

Inhalation
If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Ingestion
Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth.

Notes to physician
May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point
> 201 °F / > 94 °C

Method
Pensky Marten Closed Tester

Flammability Limits in Air %
Not applicable. No data available

Upper
No data available

Lower
No data available

Suitable Extinguishing Media
Water spray. Carbon dioxide (CO2). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical
Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA Health 2 Flammability 1 Instability 1
HMIS Health 2 Flammability 1 Instability 1

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so.

Environmental Precautions
Do not flush into surface water or sanitary sewer system.

Methods for Containment
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up
Pick up and transfer to properly labeled containers.

Neutralizing Agent
Not applicable.

7. HANDLING AND STORAGE

Handling
Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Storage
Store in original container. Keep container tightly closed in a dry and well-ventilated place.

Storage Temperature
Minimum 35 °F / 2 °C
Maximum 100 °F / 38 °C

Storage Conditions
Indoor X Outdoor Heated Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
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<tr>
<td>Polyglycol dimethacrylate</td>
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<td>No data available</td>
<td>No data available</td>
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<tr>
<td>Phthalic acid, benzyl alkyl(C7-C8) ester</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Treated fumed silica</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Polytetrafluoroethylene</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Cellulose acetate butyrate</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Cumene hydroperoxide</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Saccharin</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Engineering Measures
Ensure adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Personal Protective Equipment

Eye/Face Protection
Safety glasses with side-shields.

Skin Protection
Wear suitable protective clothing, Impervious gloves.

Respiratory Protection
In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Paste</th>
<th>Viscosity</th>
<th>Viscous</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Off-white</td>
<td>Odor</td>
<td>Mild</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not applicable</td>
<td>Appearance</td>
<td>Opaque</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
<td>Specific Gravity</td>
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</tr>
<tr>
<td>Evaporation Rate</td>
<td>No data available</td>
<td>Percent Volatile (Volume)</td>
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</tr>
<tr>
<td>VOC Content (%)</td>
<td>0.02</td>
<td>VOC Content (g/L)</td>
<td>0.24</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>&lt;5 mmHg @ 80°F</td>
<td>Vapor Density</td>
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<td>Solubility</td>
<td>Slight</td>
<td>n-Octanol/Water Partition</td>
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<td>Melting Point/Range</td>
<td>No data available</td>
<td>Decomposition Temperature</td>
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</tr>
<tr>
<td>Boiling Point/Range</td>
<td>&gt; 300 °F / 149 °C</td>
<td>Flammability (solid, gas)</td>
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</tr>
<tr>
<td>Flash Point</td>
<td>&gt; 201 °F / &gt; 94 °C</td>
<td>Method</td>
<td>Pensky Marten Closed Tester</td>
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<tr>
<td>Autoignition Temperature</td>
<td>No information available</td>
<td>Upper</td>
<td>No data available</td>
</tr>
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</table>

10. STABILITY AND REACTIVITY

Chemical Stability
Stable. Hazardous polymerization does not occur.

Conditions to Avoid
Extremes of temperature and direct sunlight

Incompatible Products
Strong oxidizing agents, Heavy metal salts, Amines, Strong acids, Strong bases.

Hazardous Decomposition Products
Carbon oxides

Possibility of Hazardous Reactions
None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information
The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

<table>
<thead>
<tr>
<th>Oral LD50</th>
<th>3,834.69</th>
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<tr>
<td>Dermal LD50</td>
<td>5,019.23</td>
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<tr>
<td>Inhalation LC50 Gas</td>
<td>220.00</td>
</tr>
<tr>
<td>Mist</td>
<td>0.06</td>
</tr>
<tr>
<td>Vapor</td>
<td>0.06</td>
</tr>
</tbody>
</table>

Principle Route of Exposure
Skin contact, Eye contact.

Primary Routes of Entry
Skin Absorption, Inhalation.

Acute Effects

| Eyes             | Causes eye irritation. |
| Skin             | May cause skin irritation. May cause allergic skin reaction. |
| Inhalation       | May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. |
| Ingestion        | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

Chronic Toxicity
May cause sensitization by skin contact.

Target Organ Effects
Respiratory system, Central nervous system, Immune system, Skin, Eyes.

Aggravated Medical Conditions
Respiratory disorders, Skin disorders, Neurological disorders.

Component Information

Acute Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation Gas</th>
<th>LC50 Inhalation Mist</th>
<th>LC50 Inhalation Vapor</th>
<th>Draize Test</th>
<th>Other</th>
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<tr>
<td>Polyglycol dimethacrylate</td>
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<tr>
<td>Phthalic acid, benzyl alkyl(C7-C8 ester)</td>
<td>&gt; 15800 mg/kg ( Rat )</td>
<td>&gt; 7940 mg/kg ( Rabbit )</td>
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<tr>
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<tr>
<td>Cumene hydroperoxide</td>
<td>= 382 mg/kg ( Rat )</td>
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<td>= 220 ppm ( Rat ) 4 h</td>
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<td>Saccharin</td>
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</table>

Chronic Toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>Mutagenicity</th>
<th>Sensitization</th>
<th>Developmental Toxicity</th>
<th>Reproductive Toxicity</th>
<th>Target Organ Effects</th>
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<tbody>
<tr>
<td>Polyglycol dimethacrylate</td>
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<td>Phthalic acid, benzyl alkyl(C7-C8 ester)</td>
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12. ECOLOGICAL INFORMATION

Product Information
No information available.

Component Information

<table>
<thead>
<tr>
<th>Component</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Microtox</th>
<th>Water Flea</th>
<th>log Pow</th>
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</thead>
<tbody>
<tr>
<td>Polyglycol dimethacrylate</td>
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<td>no data available</td>
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<tr>
<td>Phthalic acid, benzyl alkyl(C7-C8) ester</td>
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<td>LC50 &gt; 0.3 mg/L Oncorhynchus mykiss 96 h LC50 &gt; 0.3 mg/L Lepomis macrochirus 96 h LC50 &gt; 0.3 mg/L Pimephales promelas 96 h</td>
<td>no data available</td>
<td>EC50= 0.3 mg/L 48 h</td>
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<tr>
<td>Treated fumed silica</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>N/A</td>
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<tr>
<td>Polytetrafluoroethylene</td>
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<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>N/A</td>
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<tr>
<td>Cellulose acetate butyrate</td>
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<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>N/A</td>
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<td>Cumene hydroperoxide</td>
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<td>no data available</td>
<td>no data available</td>
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</tr>
</tbody>
</table>

Persistence and Degradability
No information available.

Bioaccumulation
No information available.

Mobility
No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal
Dispose of in accordance with local regulations.

Container Disposal
Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT
Not regulated

TDG
Not regulated

ICAO
Not regulated

IATA
Not regulated

IMDG/IMO
Not regulated

15. REGULATORY INFORMATION

Inventories
TSCA
Complies

DSL
Complies

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>SARA 313 - Threshold Values</th>
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<tbody>
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<td>Cumene hydroperoxide</td>
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<td>Saccharin</td>
<td>81-07-2</td>
<td>1-5</td>
<td>1.0</td>
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</tbody>
</table>

**SARA 311/312 Hazardous Categorization**

<table>
<thead>
<tr>
<th></th>
<th>Acute Health Hazard</th>
<th>Chronic Health Hazard</th>
<th>Fire Hazard</th>
<th>Sudden Release of Pressure Hazard</th>
<th>Reactive Hazard</th>
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<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
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</table>

**CERCLA**

<table>
<thead>
<tr>
<th>Component</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA EHS RQs</th>
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</thead>
<tbody>
<tr>
<td>Polyglycol dimethacrylate</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Phthalic acid, benzyl alkyl(C7-C8) ester</td>
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<td>Not applicable</td>
</tr>
<tr>
<td>Treated fumed silica</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Polytetrafluoroethylene</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Cellulose acetate butyrate</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Cumene hydroperoxide</td>
<td>10 lb</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Saccharin</td>
<td>Not applicable</td>
<td>Not applicable</td>
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</tbody>
</table>

**U.S. State Regulations**

California Proposition 65

This product contains the following Proposition 65 chemicals

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No</th>
<th>California Prop. 65</th>
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</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>carcinogen</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

Prepared By: Angela Hutson
Supercedes Date: 10/05/2011
Issuing Date: 10/30/2013
Reason for Revision: No information available.
Glossary: No information available.
List of References: No information available.

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