SAFETY DATA SHEET

Revision Date 24-Feb-2020  Version 8

1. IDENTIFICATION

Product identifier
Product Name ULTRA GREY RIGID HIGH TORQUE RTV  13 OZ

Other means of identification
Product Code 82195

Recommended use of the chemical and restrictions on use
Recommended Use Sealant
Uses advised against No information available

Details of the supplier of the safety data sheet
Manufacturer Address
ITW Permatex
6875 Parkland Blvd.
Solon, Ohio  44139  USA
Telephone: 1-87-Permatex
(866) 732-9502

24-hour emergency phone number
Chem-Tel: 800-255-3924
International Emergency:
00+1+ 813-248-0585
Contract Number: MIS0003453

E-mail address: mail@permatex.com

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

| Serious eye damage/eye irritation | Category 2A |
| Skin sensitization                | Category 1  |
| Carcinogenicity                   | Category 2  |

Label elements

Emergency Overview

Signal word Warning
Causes serious eye irritation
May cause an allergic skin reaction
Suspected of causing cancer
Appearance  Gray  Physical state  Paste Liquid  Odor  Mild

Precautionary Statements - Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed out of the workplace
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
Specific treatment (see .? on this label)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse

Precautionary Statements - Storage
Store locked up

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)
Not applicable

Other Information
Not applicable.
Unknown acute toxicity  0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM CARBONATE</td>
<td>471-34-1</td>
<td>10 - 30</td>
</tr>
<tr>
<td>STEARIC ACID</td>
<td>57-11-4</td>
<td>1 - 5</td>
</tr>
<tr>
<td>2-BUTANONE OXIME</td>
<td>96-29-7</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Description of first aid measures

General advice  If symptoms persist, call a physician.
Eye contact     Immediately flush with plenty of water. After initial flushing, remove any contact lenses and
continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

**Skin contact**

IF ON SKIN:. Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Inhalation**

Immediate medical attention is not required. If symptoms persist, call a physician. Move to fresh air in case of accidental inhalation of vapors or decomposition products.

**Ingestion**

Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician. Do NOT induce vomiting.

**Self-protection of the first aider**

Use personal protective equipment as required.

**Most important symptoms and effects, both acute and delayed**

**Symptoms**
May cause allergic skin reaction.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians**
Treat symptomatically.

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### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**
Use, Dry chemical, Carbon dioxide (CO2), Water spray (fog), Alcohol resistant foam

**Unsuitable extinguishing media**
None

**Specific hazards arising from the chemical**
Keep product and empty container away from heat and sources of ignition. Risk of ignition.

**Explosion data**
Sensitivity to Mechanical Impact: None.
Sensitivity to Static Discharge: None.

**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.

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### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions**
Use personal protective equipment as required. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharges.

**Environmental precautions**

**Environmental precautions**
See section 12 for additional ecological information. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods and material for containment and cleaning up**

**Methods for containment**
Prevent further leakage or spillage if safe to do so.
Methods for cleaning up
Ensure adequate ventilation. Flood with water to complete polymerization and scrape off floor. Sweep up and shovel into suitable containers for disposal. Slippery, can cause falls if walked on. Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Take precautionary measures against static discharges.

Prevention of secondary hazards
Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Use with local exhaust ventilation. All equipment used when handling the product must be grounded. Do not breathe dust/fume/gas/mist/vapors/spray. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors).

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep containers tightly closed in a cool, well-ventilated place. Protect from moisture. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep away from heat. Keep in properly labeled containers.

Incompatible materials
Strong oxidizing agents, Acids, Water

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
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</thead>
<tbody>
<tr>
<td>CALCIUM CARBONATE 471-34-1</td>
<td>-</td>
<td>-</td>
<td>TWA: 10 mg/m³ total dust</td>
</tr>
<tr>
<td>STEARIC ACID 57-11-4</td>
<td>TWA: 10 mg/m³ inhalable particulate matter</td>
<td>-</td>
<td>TWA: 5 mg/m³ respirable dust</td>
</tr>
<tr>
<td></td>
<td>TWA: 3 mg/m³ respirable particulate matter</td>
<td>-</td>
<td></td>
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</table>

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls
Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection
Tight sealing safety goggles.

Skin and body protection
Wear protective natural rubber, nitrile rubber, Neoprene™ or PVC gloves.

Respiratory protection
Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

General Hygiene Considerations
When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES
9.1. Information on basic physical and chemical properties

**Physical state**
- Paste Liquid

**Appearance**
- Gray

**Odor**
- Mild

**Odor threshold**
- No information available

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<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
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</thead>
<tbody>
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</tr>
<tr>
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<tr>
<td>Boiling point / boiling range</td>
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<tr>
<td>Flash point</td>
<td>&gt; 93 °C / &gt; 199 °F</td>
<td>Tag Closed Cup</td>
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<tr>
<td>Evaporation rate</td>
<td>&lt; 1</td>
<td>Butyl acetate = 1</td>
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<tr>
<td>Lower flammability limit</td>
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<tr>
<td>Vapor pressure</td>
<td>&lt;5 mm Hg @ 70°F</td>
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<tr>
<td>Vapor density</td>
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<td>Explosive properties</td>
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<td>Bulk density</td>
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<td>SADT (self-accelerating</td>
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</tr>
<tr>
<td>decomposition temperature</td>
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**Other Information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
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</thead>
<tbody>
<tr>
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<td><strong>Remarks • Method</strong></td>
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<tr>
<td>pH</td>
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<tr>
<td>Water solubility</td>
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<tr>
<td>decomposition temperature</td>
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<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

**Reactivity**
- No information available

**Chemical stability**
- Stable under normal conditions

**Possibility of Hazardous Reactions**
- None under normal processing.

**Conditions to avoid**
- Heat, flames and sparks.

**Incompatible materials**
- Strong oxidizing agents, Acids, Water

**Hazardous Decomposition Products**
- Carbon oxides
- Nitrogen oxides (NOx)
- Formaldehyde
- May release 2-butanone oxime (ethyl methyl ketoxime) at elevated temperature
11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

**Inhalation**
May cause irritation of respiratory tract.

**Eye contact**
Contact with eyes may cause irritation. May cause redness and tearing of the eyes.

**Skin contact**
May cause sensitization by skin contact. May cause skin irritation and/or dermatitis.

**Ingestion**
Ingestion may cause irritation to mucous membranes.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALCIUM CARBONATE 471-34-1</td>
<td>6450 mg/kg ( Rat )</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>STEARIC ACID 57-11-4</td>
<td>&gt; 5 g/kg ( Rabbit )</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2-BUTANONE OXIME 96-29-7</td>
<td>930 mg/kg ( Rat )</td>
<td>1000 - 1800 mg/kg ( Rabbit )</td>
<td>&gt; 4.83 mg/L ( Rat ) 4 h</td>
</tr>
</tbody>
</table>

Information on toxicological effects

**Symptoms**
No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization**
May cause sensitization by skin contact.

**Germ cell mutagenicity**
No information available.

**Carcinogenicity**
No information available.

**Target Organ Effects**
Eyes, Respiratory system, Skin.

The following values are calculated based on chapter 3.1 of the GHS document.

- ATEmix (oral) 13208 mg/kg
- ATEmix (dermal) 62179 mg/kg

12. ECOLOGICAL INFORMATION

**Ecotoxicity**
0.0344 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Persistence and degradability**
No information available.

**Bioaccumulation**
No information available.

**Mobility**
No information available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-BUTANONE OXIME 96-29-7</td>
<td>0.65</td>
</tr>
</tbody>
</table>

**Other adverse effects**
No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
Disposal of wastes: Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging: Do not reuse container.

US EPA Waste Number: Not applicable

This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. TRANSPORT INFORMATION

DOT
Proper shipping name: Not regulated

IATA
Proper shipping name: Not regulated

IMDG
Proper shipping name: (Quaternary ammonium compounds)

15. REGULATORY INFORMATION

International Inventories

TSCA: Does not comply
DSL/NDSL: Does not comply
EINECS/ELINCS: Does not comply
ENCS: Does not comply
IECSC: Does not comply
KECL: Does not comply
PICCS: Does not comply
AICS: Does not comply

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard: Yes
Chronic Health Hazard: No
Fire hazard: Yes
Sudden release of pressure hazard: No
Reactive Hazard: No

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40
CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65
This product contains the following Proposition 65 chemicals

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALUMINIUM POWDER</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>7429-90-5</td>
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</table>

U.S. EPA Label Information
EPA Pesticide Registration Number Not applicable

WHMIS Hazard Class
D2B - Toxic materials

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Personal protection</th>
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<tbody>
<tr>
<td></td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>B</td>
</tr>
</tbody>
</table>

NFPA (National Fire Protection Association)
HMIS (Hazardous Material Information System)

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End of Safety Data Sheet