1. IDENTIFICATION

**Product identifier**

**Product Name**

Pro-Grade® 923 Butter Grade Silicone Roof Sealer

**Other means of identification**

**Product Code**

PG923W

**Synonyms**

None

**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**

HENRY COMPANY

999 N. Sepulveda Blvd., Suite 800

El Segundo, CA  90245-2716

Web Site: www.henry.com  www.ca.henry.com

**Emergency telephone number**

Company Phone Number  800-486-1278

Emergency Telephone  CHEMTREC: 800-424-9300

CHEMTREC: 703-527-3887

CANUTEC: 613-966-6666

2. HAZARDS IDENTIFICATION

**Classification**

**OSHA Regulatory Status**

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

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2A</td>
</tr>
</tbody>
</table>

**Label elements**

**Warning**

**Emergency Overview**

**Appearance**  viscous  

**Physical state**  liquid

**Odor**  Slight
Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
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 occurs: Get medical advice/attention
Take off contaminated clothing and wash before reuse

Hazards not otherwise classified (HNOC)
Not applicable

Other Information
Not applicable.

Unknown acute toxicity
63% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Substance</th>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixture</td>
<td>Nepheline syenite *</td>
<td>37244-96-5</td>
<td>15 - 40</td>
</tr>
<tr>
<td></td>
<td>Polysiloxanes *</td>
<td>Proprietary</td>
<td>15 - 40</td>
</tr>
<tr>
<td></td>
<td>Poly[oxy(dimethylsilylene)] *</td>
<td>9016-00-6</td>
<td>10 - 30</td>
</tr>
<tr>
<td></td>
<td>Titanium dioxide *</td>
<td>13463-67-7</td>
<td>3 - 7</td>
</tr>
<tr>
<td></td>
<td>2-Butanone, O.O.O-(methylsilylidyne)trioxime *</td>
<td>22984-54-9</td>
<td>3 - 7</td>
</tr>
<tr>
<td></td>
<td>Silica, amorphous, fumed, crystalline-free *</td>
<td>112945-52-5</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General advice In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). 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 Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician. Wash contaminated clothing before reuse.

Inhalation Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If symptoms persist, call a physician.

Ingestion Call a physician or poison control center immediately. Do not induce vomiting without medical advice. Rinse mouth. Never give anything by mouth to an unconscious person.
Self-protection of the first aider
Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms
May cause redness and tearing of the eyes. May cause skin irritation.

Indication of any immediate medical attention and special treatment needed

Note to physicians
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. CO2, dry chemical, dry sand, alcohol-resistant foam.

Unsuitable extinguishing media
CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical
Thermal decomposition can lead to release of irritating and toxic gases and vapors.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions
Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

Environmental conditions
Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

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
Cover liquid spill with sand, earth or other non-combustible absorbent material. Use personal protective equipment as required. Dam up. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of...
Incompatible materials


8. EXPOSURE CONTROLS/PERSOAL PROTECTION

Control parameters

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 15 mg/m³ total dust</td>
<td>IDLH: 5000 mg/m³</td>
</tr>
</tbody>
</table>

NIOSH IDLH Immediately Dangerous to Life or Health

Appropriate engineering controls

Engineering Controls
- Showers
- Eyewash stations
- Ventilation systems.

Individual protection measures, such as personal protective equipment

- **Eye/face protection**: Wear safety glasses with side shields (or goggles).
- **Skin and body protection**: Wear protective gloves and protective clothing.
- **Respiratory protection**: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations
- Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

- **Physical state**: liquid
- **Appearance**: viscous
- **Color**: pigmented
- **Odor**: Slight
- **Odor threshold**: No information available
- **pH**: 6-11
- **Melting point / freezing point**: No information available
- **Boiling point / boiling range**: > 100 °C / 212 °F
- **Flash point**: > 100 °C / 212 °F
- **Evaporation rate**: No information available
- **Flammability (solid, gas)**: No information available
- **Flammability Limit in Air**
  - Upper flammability limit: No information available
  - Lower flammability limit: No information available
- **Vapor pressure**: No information available
- **Vapor density**: No information available
- **Relative density**: 1.2 - 1.3
- **Water solubility**: Insoluble in water
- **Solubility in other solvents**: No information available
- **Partition coefficient**: No information available
- **Autoignition temperature**: No information available
- ** Decomposition temperature**: No information available
- **Kinematic viscosity**: No information available
- **Dynamic viscosity**: No information available

**Remarks • Method**
- Pensky-Martens Closed Cup (PMCC)

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Explosive properties  Not an explosive
Oxidizing properties  Not applicable

Other Information

Softening point  No information available
Molecular weight  No information available
VOC Content (%)  No information available
Density  No information available
Bulk density  No information available

10. STABILITY AND REACTIVITY

Reactivity
No data available

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to avoid
Elevated Temperature. Incompatible materials.

Incompatible materials

Hazardous Decomposition Products
Thermal decomposition can lead to release of irritating and toxic gases and vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation  No data available.
Eye contact  Severely irritating to eyes.
Skin contact  Irritating to skin.
Ingestion  No data available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polysiloxanes</td>
<td>&gt; 15400 mg/kg (Rat)</td>
<td>&gt; 16 mL/kg (Rabbit)</td>
<td>&gt; 8750 mg/m³ (Rat) 7 h</td>
</tr>
<tr>
<td>Titanium dioxide 13463-67-7</td>
<td>&gt; 10000 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Silica, amorphous, fumed,</td>
<td>= 3160 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>crystalline-free 112945-52-5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Information on toxicological effects

Symptoms
May cause redness and tearing of the eyes. May cause skin irritation.

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

Sensitization  No information available.
Germ cell mutagenicity  No information available.
Carcinogenicity  This product contains titanium dioxide which is classified as a possible carcinogen when present as respirable dust. This is not relevant for this product since it is a liquid. The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polysiloxanes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide 13463-67-7</td>
<td></td>
<td></td>
<td></td>
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<td>Silica, amorphous, fumed,</td>
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<td></td>
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<tr>
<td>crystalline-free 112945-52-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Titanium dioxide  
13463-67-7  
-  
Group 2B  
-  
X  
Silica, amorphous, fumed, crystalline-free  
112945-52-5  
-  
Group 3  
-  
-  
IARC (International Agency for Research on Cancer)  
Group 2B - Possibly Carcinogenic to Humans  
Not classifiable as a human carcinogen  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
X - Present  
Reproductive toxicity  
May impair fertility.  
STOT - single exposure  
Target Organs. Eyes. Skin.  
STOT - repeated exposure  
No information available.  
Target Organ Effects  
Eyes, Skin, lungs, Respiratory system.  
Aspiration hazard  
No information available.  
Numerical measures of toxicity - Product Information  
The following values are calculated based on chapter 3.1 of the GHS document .  
ATEmix (oral)  
9,380.00 mg/kg  
ATEmix (dermal)  
19,693.81 mg/kg  
12. ECOLOGICAL INFORMATION  
Ecotoxicity  
79 % of the mixture consists of components(s) of unknown hazards to the aquatic environment  
Persistence and degradability  
No information available.  
Bioaccumulation  
Bioaccumulative potential.  
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.  
14. TRANSPORT INFORMATION  
DOT  
Not regulated  
TDG  
Not regulated  
IATA  
Not regulated  
IMDG  
Not regulated  
15. REGULATORY INFORMATION  
International Inventories
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: No
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 CFR 122.42)

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>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide - 13463-67-7</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide - 13463-67-7</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

U.S. EPA Label Information

EPA Pesticide Registration Number: Not applicable

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

NFPA
Health hazards: 1 Flammability: 1 Instability: 0 Physical and Chemical Properties:

HMIS
Health hazards: 1 Flammability: 1 Physical hazards: 0 Personal protection: X
Issue Date 26-Mar-2016
Revision Date 26-Mar-2016
Revision Note No information available
Disclaimer
The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet