SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier
Product Name
98H HIGH TACK GASKET SEALANT 4 FL. OZ

Other means of identification
Product Code
80062

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

May Also Be Distributed by:
ITW Permatex Canada
101-2360 Bristol Circle
Oakville, ON Canada L6H 6M5
Telephone: (800) 924-6994

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)

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Description</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>
<tr>
<td>Skin sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Category 2</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Category 3</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Category 2</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>Category 1</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

Label elements

Emergency Overview

Signal word
Danger

Causes skin irritation
Causes serious eye irritation
May cause an allergic skin reaction
Suspected of damaging fertility or the unborn child
May cause respiratory irritation
May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Highly flammable liquid and vapor

Appearance | Red
---|---
Physical state | Liquid
Odor | Solvent

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
Contaminated work clothing should not be allowed out of the workplace
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ ventilating/ lighting/ equipment
Use non-sparking tools
Take precautionary measures against static discharge
Keep cool
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 skin irritation or rash occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting
In case of fire: Use CO2, dry chemical, or foam to extinguish.

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed

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

Hazards not otherwise classified (HNOC)
Not applicable

Other Information
Toxic to aquatic life with long lasting effects.

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>ACETONE</td>
<td>67-64-1</td>
<td>15 - 40</td>
</tr>
<tr>
<td>N-HEXANE</td>
<td>110-54-3</td>
<td>10 - 30</td>
</tr>
<tr>
<td>ROSIN</td>
<td>8050-09-7</td>
<td>7 - 13</td>
</tr>
</tbody>
</table>

### 4. FIRST AID MEASURES

**Description of first aid measures**

**General advice**
Call 911 or emergency medical service. Remove and isolate contaminated clothing and shoes.

**Eye contact**
In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.

**Skin contact**
Wash skin with soap and water.

**Inhalation**
Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Administer oxygen if breathing is difficult.

**Ingestion**
IF SWALLOWED:. Call a physician or poison control center immediately. Do NOT induce vomiting.

**Self-protection of the first aider**
Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

**Most important symptoms and effects, both acute and delayed**
May cause allergic skin reaction.

**Indication of any immediate medical attention and special treatment needed**
Note to physicians
Keep victim warm and quiet.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**
Dry chemical, CO2, water spray or regular foam, Water spray, fog or regular foam, Use water spray or fog; do not use straight streams

**Unsuitable extinguishing media**
CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient

**Specific hazards arising from the chemical**
Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard
indoors, outdoors or in sewers. Those substances designated with a “P” may polymerize explosively when heated or involved in a fire. Runoff to sewer may create fire or explosion hazard. Substance may be transported hot.

**Explosion data**

- Sensitivity to Mechanical Impact: None.
- Sensitivity to Static Discharge: None.

**Protective equipment and precautions for firefighters**

Move containers from fire area if you can do it without risk.

### 6. ACCIDENTAL RELEASE MEASURES

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

- **Personal precautions**: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

- **Other Information**: Water spray may reduce vapor; but may not prevent ignition in closed spaces.

- **Environmental precautions**: Prevent entry into waterways, sewers, basements or confined areas.

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

- **Methods for containment**: A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

- **Methods for cleaning up**: Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal.

**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**: Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required. Remove all sources of ignition. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

- **Conditions for safe storage, including any incompatibilities**

- **Storage Conditions**: Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Store locked up.

- **Incompatible materials**: Strong oxidizing agents

### 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>
</tr>
</thead>
<tbody>
<tr>
<td>ACETONE</td>
<td>STEL: 500 ppm</td>
<td>TWA: 1000 ppm</td>
<td>IDLH: 2500 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA: 250 ppm</td>
<td>TWA: 2400 mg/m³</td>
<td>TWA: 250 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) TWA: 750 ppm</td>
<td>TWA: 590 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
80062 - 98H HIGH TACK GASKET SEALANT 4
FL.OZ

Revision Date 11-May-2020

<table>
<thead>
<tr>
<th>N-HEXANE 110-54-3</th>
<th>TWA: 50 ppm S*</th>
<th>TWA: 500 ppm</th>
<th>IDLH: 1100 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total resin acids</td>
<td>(vacated) TWA: 0.1 mg/m³</td>
<td>Formaldehyde</td>
<td>TWA: 0.1 mg/m³</td>
</tr>
<tr>
<td>(vacated) STEL: 1000 ppm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| ROSIN 8050-09-7 | TWA: 0.001 mg/m³ total resin acids inhalable particulate matter | (vacated) TWA: 0.1 mg/m³ Formaldehyde |
|------------------|---------------------------------------------------------------|
| (vacated) STEL: 2400 mg/m³ |
| The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors. |

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
  Wear safety glasses with side shields (or 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
Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Red</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Solvent</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>57 °C / 135 °F</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>-18 °C / 0 °F</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&gt; 1</td>
<td>Ether = 1</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>13.0%</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>2.0%</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>400 mm Hg</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>2.5</td>
<td>Air = 1</td>
</tr>
<tr>
<td>Relative density</td>
<td>0.872</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>Partially soluble</td>
<td></td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No information available</td>
<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

Hazardous Decomposition Products
Carbon oxides

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
May cause damage to organs through prolonged or repeated exposure if inhaled. May cause drowsiness or dizziness.

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

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

Ingestion
Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACETONE 67-64-1</td>
<td>= 5800 mg/kg (Rat)</td>
<td>&gt; 15700 mg/kg (Rabbit)</td>
<td>= 50100 mg/m³ (Rat) 8 h</td>
</tr>
<tr>
<td>N-HEXANE 110-54-3</td>
<td>= 25 g/kg (Rat)</td>
<td>= 3000 mg/kg (Rabbit)</td>
<td>= 48000 ppm (Rat) 4 h</td>
</tr>
<tr>
<td>ROSIN 8050-09-7</td>
<td>= 7600 mg/kg (Rat) = 3000 mg/kg (Rat)</td>
<td>&gt; 2500 mg/kg (Rabbit)</td>
<td>= 1.5 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: No information available.
Germ cell mutagenicity: No information available.
Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen.

IARC (International Agency for Research on Cancer)
Not classifiable as a human carcinogen

Target Organ Effects: Central nervous system, Eyes, Peripheral Nervous System (PNS), Respiratory system, Skin, Thyroid.

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

<table>
<thead>
<tr>
<th>ATEmix (oral)</th>
<th>8262 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATEmix (dermal)</td>
<td>8049 mg/kg</td>
</tr>
<tr>
<td>ATEmix (inhalation-dust/mist)</td>
<td>178.2 mg/l</td>
</tr>
<tr>
<td>ATEmix (inhalation-vapor)</td>
<td>186367 mg/l</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a marine pollutant according to DOT.

Ecotoxicity: 0 % 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>ACETONE 67-64-1</td>
<td>-0.24</td>
</tr>
</tbody>
</table>

Other adverse effects: No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes: This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

Contaminated packaging: Do not reuse container.

US EPA Waste Number: D001, U002

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACETONE 67-64-1</td>
<td>Ignitable</td>
</tr>
<tr>
<td>N-HEXANE 110-54-3</td>
<td>Toxic Ignitable</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION
DOT

UN/ID No: 1133
Proper shipping name: Adhesives, Limited Quantity (LQ)
Hazard Class: 3
Packing Group: II
Marine pollutant: This product contains a chemical which is listed as a marine pollutant according to DOT.
Emergency Response Guide Number: 128

IATA

UN/ID No: ID 8000
Proper shipping name: Consumer commodity
Hazard Class: 9
ERG Code: 9L

IMDG

UN/ID No: 1133
Proper shipping name: Adhesives, Limited Quantity (LQ)
Hazard Class: 3
Packing Group: II
EmS-No: F-E, S-D
Marine pollutant: This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO.

15. REGULATORY INFORMATION

International Inventories

TSCA: Complies
DSL/NDSL: Complies
EINECS/ELINCS: Not determined
ENCS: Not determined
IECSC: Complies
KECL: Complies
PICCS: Complies
AICS: Not determined

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 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>Chemical Name</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>N-HEXANE - 110-54-3</td>
<td>1.0</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute health hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Fire hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Sudden release of pressure hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>
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, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/SARA RQ</th>
<th>Reportable Quantity (RQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACETONE 67-64-1</td>
<td>5000 lb</td>
<td>-</td>
<td>RQ 5000 lb final RQ</td>
</tr>
<tr>
<td>N-HEXANE 110-54-3</td>
<td>5000 lb</td>
<td>-</td>
<td>RQ 2270 kg final RQ</td>
</tr>
</tbody>
</table>

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>N-HEXANE 110-54-3</td>
<td>Developmental</td>
</tr>
<tr>
<td>RHODAMINE 81-88-9</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>ACETONE 67-64-1</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>N-HEXANE 110-54-3</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>ROSIN 8050-09-7</td>
<td>-</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>RHODAMINE 81-88-9</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

U.S. EPA Label Information

EPA Pesticide Registration Number  Not applicable

WHMIS Hazard Class

B2 - Flammable liquid, D2B - Toxic materials

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

NFPA Health hazards 2 Flammability 3 Instability 0
HMIS Health hazards 2 Flammability 3 Physical hazards 0 Personal protection B

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

Revision Date 11-May-2020

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End of Safety Data Sheet