

HAYNES Safety Data Sheet

Haynes Silicone Grease Haynes Manufacturing Company

1. Identification

Product Name: Haynes Silicone Grease
Chemical Name: N/A
Chemical Family: Silicone
Product Use: Food-Grade Silicone Grease Compound
Restrictions on use: None known.
Manufacturer: Haynes Manufacturing Co.
24142 Detroit Road
Westlake, Ohio 44145, USA

Emergency Telephone Number: 1-800-992-2166
1-440-871-2188

For MSDS, Product Safety, or Regulatory Inquiries call: 1-800-992-2166 or
1-440-871-2188

Customer Service: 1-800-992-2166 or
1-440-871-2188

2. HAZARD(S) IDENTIFICATION

Classification:

| Physical | Health |
|---------------|---------------|
| Not hazardous | Not hazardous |

Label Elements:

Not hazardous in accordance with the GHS and OSHA Hazcom 2012.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Concentration |
|-----------------------|------------|---------------|
| Polydimethyl siloxane | 63148-62-9 | 90-100% |

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

4. FIRST-AID MEASURES

INHALATION: Remove person to fresh air. If irritation occurs or symptoms develop, get medical attention.

- SKIN CONTACT:** Remove contaminated clothing. Wash skin with soap and water. If irritation develops and persists, get medical attention. Launder clothing before reuse.
- EYE CONTACT:** Immediately flush eyes with water while lifting the upper and lower lids. Get medical attention if irritation persists.
- INGESTION:** Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Get medical attention if symptoms develop.

Most important symptoms/effects, acute, and delayed:

May cause mild eye and skin irritation. Ingestion may cause gastrointestinal distress with nausea and diarrhea. Inhalation of mists may cause upper respiratory tract irritation.

Indication of immediate medical attention and special treatment, if necessary:

Immediate medical attention is not generally required.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Use water fog, alcohol foam, carbon dioxide or dry chemical to extinguish a fire involving this product. Do not use solid water stream as this may spread the fire.

Specific hazards arising from the chemical: Product is not flammable or combustible but may burn in a fire. Combustion products are hazardous and may include oxides of carbon, oxides of silicone and formaldehyde.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals. Cool fire exposed containers with water.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment as described in Section 8. Use caution – surfaces will be very slippery.

Environmental Precautions: Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

Methods and materials for containment and cleaning up: Contain and collect with an inert absorbent material. Place in an appropriate container for disposal. Clean spill area thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid the generation of mists. Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling. Keep away from open flames and hot surfaces.

Conditions for safe storage, including any incompatibilities: Store in a dry, cool, well-ventilated area. Keep in original containers. Store away from oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure guidelines:

| | |
|-----------------------|------------------|
| Polydimethyl siloxane | None established |
|-----------------------|------------------|

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to minimize exposure levels.

Individual protection measures:

Respiratory protection: None needed under normal use conditions. If exposure levels are excessive and irritation is experienced, a NIOSH approved organic vapor/particulate respirator is recommended. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good industrial Hygiene practice.

Skin protection: Impervious gloves recommended if needed to avoid prolonged skin contact.

Eye protection: Follow facility requirements. Safety goggles recommended if splashing is possible.

Other: None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Semi-transparent grease

Odor: No characteristic color

| | |
|-----------------------------------------------------------------|-------------------------------------------------|
| Odor Threshold: Not determined | pH: Not applicable |
| Melting point/freezing point: Not determined | Boiling Point: Not determined |
| Flash Point: >400°F (>204°C) COC (polydimethyl siloxane) | Evaporation rate (butyl acetate=1): <1 |
| Flammability (solid gas): Not applicable | VOC: Not determined |
| Flammable limits: LEL: Not determined | UEL: Not determined |
| Vapor Pressure: Not determined | Vapor Density: Not determined |
| Relative Density: Not determined | Solubility (ies): Insoluble in water |
| Partition coefficient: n-octanol/water: Not available | Auto-ignition temperature: Not available |
| Decomposition temperature: Not available | Viscosity: >20cSt @40°C |

10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical Stability: Stable.

Possibility of hazardous reactions: None known.

Conditions to avoid: When heated above 300°F, trace quantities of formaldehyde may be released.

Incompatible materials: Avoid oxidizing agents.

Hazardous decomposition products: Thermal decomposition may yield oxides of carbon, oxides of silicone and formaldehyde.

11. TOXICOLOGY INFORMATION

Acute effects of exposure:

Inhalation: No adverse effects are expected under normal use conditions. Inhalation of mists may cause minor irritation of the mucous membranes and upper respiratory tract.

Ingestion: Ingestion may cause gastrointestinal distress with nausea and diarrhea.

Skin contact: May cause mild irritation.

Eye contact: Contact may cause mild irritation with redness and tearing.

Chronic Effects: None known.

Sensitization: Components are not known to be sensitizers.

Germ Cell Mutagenicity: No adverse effects are expected. Components are not germ cell mutagens.

Reproductive Toxicity: No adverse effects are expected. Components are not reproductive toxins.

Carcinogenicity: None of the components are listed as carcinogens by IARC, NTP, and OSHA.

Acute Toxicity Values:

Polydimethyl siloxane: Oral Rat LD50>5000 mg/kg, Dermal rat LD50>2000 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity values:

Polydimethyl siloxane: 48 hrs EC50 daphnia magna >200 mg/L

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Other adverse effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations. No specific disposal method is recommended. Under RCRA, it is the responsibility of the user, at the time of disposal, to determine whether the product meets RCRA criteria for hazardous waste. As sold, this product would not meet the criteria.

14. TRANSPORT INFORMATION

| | UN Number | Proper Shipping Name | Hazard Class | Packing Group | Environmental Hazard |
|-----|-----------|----------------------|--------------|---------------|----------------------|
| DOT | | Not Regulated | | | |
| TDG | | Not Regulated | | | |

| | | | | | |
|-------------|--|---------------|--|--|--|
| IMDG | | Not Regulated | | | |
| ICAO | | Not Regulated | | | |

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):
 Not applicable – product is transported only in packaged form.

Special precautions: None known.

15. REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

CERCLA: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Not Hazardous

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None

EPA TSCA Inventory: All the components of this product are listed on the TSCA inventory or exempt.

California Proposition 65: This product contains the following chemicals known to the State of California to cause cancer and reproductive toxicity: None.

RoHS: Compliant

16. OTHER INFORMATION

NFPA Rating: Health=0 Flammability=1 Instability=0
 HMIS Rating: Health=0 Flammability=1 Physical Hazard=0

SDS Revision History: Convert to OSHA GHS Format
 Date of Preparation: June 5, 2018
 Date of Previous Revision: June 10, 2015

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