

Section 1-Chemical Product and Company Identification

Company Information:

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InfoTrac Contract Number: 105384

Product Information:

Substance/Mixture: Substance
Substance name: Dimethyl siloxane, trimethylsiloxy-terminated: C.A.S. Number: 63148-62-9
Chemical nature: Silicone
Recommended use: Intermediate, Solvents, Process regulators, other than polymerization or vulcanization processes, Cosmetics

Section 2-Hazard Identification

GHS Classification: Not a hazardous substance or mixture.

GHS Label element: Not a hazardous substance or mixture.

Other hazards: None known.

Section 3-Composition and Information on Ingredients

Hazardous Ingredients:

| <u>Common Name</u> | <u>C.A.S. No.</u> | <u>Wt. %</u> |
|--------------------|-------------------|--------------|
| NONE | | |

Section 4 – First Aid Measures

If inhaled: Remove to fresh air. Get medical attention if symptoms occur.

In case of skin contact: Wash with water and soap as a precaution. Get medical attention if symptoms occur. Wash clothing before reuse.

In case of eye contact: Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.

If swallowed: If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and delayed: None known

Protection of first-aiders: No special precautions are necessary for first aid responders.

Notes to physician: Treat symptomatically and supportively.

Section 5- Firefighting Measures

Suitable extinguishing media: Water spray, Alcohol-resistant foam, Dry chemical, Carbon dioxide (CO₂)

Unsuitable extinguishing media: Not known

Specific hazards during firefighting: Exposure to combustion products may be a hazard to health.

Hazardous combustion products: Carbon oxides, Silicon oxides, Formaldehyde.

Specific extinguishing methods: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

Special protective equipment for fire fighters: Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions:

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained. Prevent spreading over a wide area (e.g. by containment or oil barriers).

Methods and materials for containment and cleaning up:

Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

Section 7- Handling and Storage

Technical measures:

See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section

Local/Total ventilation:

Use with local exhaust ventilation.

Advice on safe handling:

Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage:

Keep in properly labeled containers. Store in accordance with the particular national regulations.

Materials to avoid:

Do not store with the following product types: Strong oxidizing agents

Section 8- Exposure Controls and Personal Protection

Hazardous Component with workplace control parameters:

| Common Name | C.A.S. No. | Value type (Form of exposure) | Control parameters Permissible Conc. | Basis |
|---|-------------------|--|---|--------------|
| Contains NO substances with occupational exposure limit | | | | |

Engineering measures:

Processing may form hazardous compounds (see section 10). Minimize workplace exposure concentrations. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Respiratory protection: No personal respiratory protective equipment normally required.

Hand protection:

Remarks: Wash hands before breaks and at the end of workday.

Eye protection: Wear the following personal protective equipment: Safety glasses

Skin and body protection: Skin should be washed after contact.

Hygiene measures:

Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use. These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding the use of silicones / organic oils in consumer aerosol applications, please refer to the guidance document regarding the use of these type of materials in consumer aerosol applications that has been developed by the silicone industry (www.SEHSC.com) or contact the PremierRepak customer service group.

Section 9- Physical/Chemical Characteristics

Odor: Characteristic

Appearance: liquid

Odor Threshold: No data available
Freezing/Melting Point: No data available.
Initial Boiling Point: >35 degrees Celsius
Vapor Pressure: No data available.
Vapor Density: No data available.
Solubility in Water: No data available.
pH: No data available.
Volatile Content: Not determined.
Flash Point: >120 degrees Celsius: **Method:** Closed cup
Auto ignition Temperature: No data available.
Flammability (solid, gas): Not applicable
Evaporation rate: No data available
Upper explosion limit: No data available
Lower explosion limit: No data available
Partition coefficient: noctanol/water: No data available
Decomposition temperature: No data available
Viscosity, kinematic: 350 CST
Explosive properties: Not explosive
Oxidizing properties: The substance or mixture is not classified as oxidizing.
Molecular weight: No data available
Relative Density: 0.97

Color: Colorless

Section 10- Stability and Reactivity

Reactivity: Not classified as a reactivity hazard.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions:

Can react with strong oxidizing agents. When heated to temperatures above 150 °C (300 °F) in the presence of air, trace quantities of formaldehyde may be released. Adequate ventilation is required. See OSHA formaldehyde standard, 29 CFR 1910.1048. Hazardous decomposition products will be formed at elevated temperatures.

Conditions to avoid: Not Known

Incompatible materials: Oxidizing agents

Hazardous decomposition products: Thermal decomposition: Formaldehyde

Section 11- Toxicological Information

Information on likely routes of exposure:

Skin contact
Ingestion
Eye contact
Inhalation

Acute toxicity:

Not classified based on available information.

Product:

Oral:

Acute toxicity: LD50 (Rat): > 15,400 mg/kg
Assessment: The substance or mixture has no acute oral toxicity
Remarks: Based on data from similar materials.

Dermal:

Acute toxicity: LD50 (Rabbit): < 2,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: Based on data from similar materials.

Skin corrosion/irritation:

Not classified based on available information.

Product:

Species: Rabbit
Result: No skin irritation
Remarks: Based on test data.

Serious eye damage/eye irritation:

Causes serious eye irritation.

Product:

Species: Rabbit
Result: No eye irritation
Remarks: Based on test data.

Respiratory or skin sensitization:

Skin sensitization: Not classified based on available information.
Respiratory sensitization: Not classified based on available information.

Product:

Assessment: Does not cause skin sensitization.
Test Type: Maximization Test
Species: Guinea pig
Remarks: Based on test data.

Germ cell mutagenicity:

Not classified based on available information.

Product:

Genotoxicity in vitro:
Test Type: Bacterial reverse mutation assay (AMES)
Result: negative
Remarks: Based on data from similar materials.

Carcinogenicity:

Not classified based on available information.

Product:

Species: Rat
Application Route: Ingestion
Result: negative
Remarks: Based on data from similar materials

Carcinogenicity Assessment: Animal testing did not show any carcinogenic effects.

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity:

Not classified based on available information.

Product:

Effects on fertility:

Species: Rabbit, male
Application Route: Ingestion
Symptoms: No effects on fertility.
Remarks: Based on data from similar materials

Effects on fetal development:

Test Type: Prenatal development toxicity study (teratogenicity)
Species: Rabbit, female
Application Route: Skin contact
Symptoms: No effects on fetal development.
Remarks: Based on test data.

Reproductive Assessment: No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

STOT-single exposure: Not classified based on available information.

STOT-repeated exposure: Not classified based on available information.

Product:

Routes of exposure: Ingestion

Assessment: No significant health effects observed in animals at concentrations of 100 mg/kg bw or less.

Routes of exposure: Skin contact

Assessment: No significant health effects observed in animals at concentrations of 200 mg/kg bw or less.

Repeated dose toxicity:

Product:

Species: Rat
Application Route: Ingestion
Remarks: Based on test data.

Species: Rabbit
Application Route: Skin contact
Remarks: Based on test data.

Aspiration toxicity:

Not classified based on available information.

Section 12 – Ecological Information

Ecotoxicity:

Product:

Toxicity to daphnia and other aquatic invertebrates:
EC50 (Daphnia magna (Water flea)): > 200 mg/l
Exposure time: 48 h

Persistence and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

Section 13 – Disposal Considerations

Disposal methods:

Resource Conservation and Recovery Act (RCRA): This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.

Waste from residues: Dispose of in accordance with local regulations.

Contaminated packaging: Dispose of as unused product. Empty containers should be taken to an approved waste-handling site for recycling or disposal.

Section 14 – Transport Information

International Regulation:

UNRTDG: Not regulated as a dangerous good
IATA-DGR: Not regulated as a dangerous good
IMDG-Code: Not regulated as a dangerous good
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:
Not applicable for product as supplied.

Domestic regulation:

49 CFR: Not regulated as a dangerous good

Section 15- Hazard Classification

EPCRA (Emergency Planning and Community Right-to-Know):

CERCLA Reportable Quantity:

Component Name CAS Number Component RQ (lbs) Calculated product RQ(lbs)

NONE

SARA 304 Extremely Hazardous Substances Reportable Quantity:

Component Name CAS Number Component RQ (lbs) Calculated product RQ(lbs)

NONE

SARA 311/312 Hazards: NONE

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations:

California:

Warning: This product does NOT contain the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

Component Name CAS Number

NONE

State Right-To-Know:

| <u>CAS Number</u> | <u>Wt %</u> | <u>Component Name</u> | <u>State</u> |
|-------------------|-------------|--|-----------------------------|
| 63148-62-9 | 90 – 100 | Dimethyl siloxane, trimethylsiloxy-terminated | New Jersey, Pennsylvania |

The ingredients of this product are reported in the following inventories:

AICS: All ingredients listed or exempt.

DSL: All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).

TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

REACH: All ingredients (pre-) registered or exempt.

IECSC: All ingredients listed or exempt.

ENCS/ISHL: All components are listed on ENCS/ISHL or exempted from inventory listing.

KECI: All ingredients listed, exempt or notified.

PICCS: All ingredients listed or exempt.

NZIoC: All ingredients listed or exempt.

TCSI: All ingredients listed or exempt.

Section 16 – Other Information

Further information:

NFPA:

Flammability: 1
Health: 0
Instability: 0
Special hazard: None

HMIS III:

Flammability: 1
Health: 0
Physical Hazard: 0

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Sources of key data used to compile the Safety Data Sheet:

Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Full text of other abbreviations:

AICS = Australian Inventory of Chemical Substances **ASTM** = American Society for the Testing of Materials **bw** = body weight **CERCLA** = Comprehensive Environmental Response, Compensation, and Liability Act **CMR** = Carcinogen, Mutagen or Reproductive Toxicant **DIN** = Standard of the German Institute for Standardization **DOT** = Department of Transportation **DSL** = Domestic Substances List (Canada) **ECx** = Concentration associated with x% response **EHS** = Extremely Hazardous Substance **ELx** = Loading rate associated with x% response **EmS** = Emergency Schedule **ENCS** = Existing and New Chemical Substances (Japan) **ErCx** = Concentration associated with x% growth rate response **ERG** = Emergency Response Guide **GHS** = Global Harmonization System **GLP** = Good Laboratory Practice **HMIS** = Hazardous Material Identification System **IARC** = The International Agency for Research on Cancer **IATA** = International Air Transportation Association **IBC** = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk **IC50** = Half maximal inhibitory concentration **ICAO** = International Civil Aviation Organization **IECSC** = Inventory of Existing Chemical Substances in China **IMDG** = International Maritime Dangerous Goods **IMO** = International Maritime Organization **ISHL** = Industrial Safety and Health Law (Japan) **ISO** = International Organization for Standardization **KECI** = Korea Existing Chemicals Inventory **LC50** = Lethal Concentration of 50% of a test population **LD50** = Lethal Dose of 50% of a test population (Median Lethal Dose) **MARPOL** = International Convention for the Prevention of Pollution from Ships **MSHA** = Mine Safety and Health Administration **n.o.s.** = Not Otherwise Specified **NFPA** = National Fire Protection Association **NO(A)EC** = No Observed (Adverse) Effect Concentration **NO(A)EL** = No Observed (Adverse) Effect Level **NOELR** = No Observed (Adverse) Effect Loading Rate **NTP** = National Toxicology Program **NZIoC** = New Zealand Inventory of Chemicals **OECD** = Organization for Economic Co-operation and Development **OPPTS** = Office of Chemical Safety and Pollution Prevention **PBT** = Persistent, Bioaccumulative and Toxic Substances **PICCS** = Philippines Inventory of Chemicals and Chemical Substances **(Q)SAR** = (Quantative) Structure Activity Relationship **RCRA** = Resource Conservation and Recovery Act **REACH** = Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals **RQ** = Reportable Quantity **SADT** = Self-Accelerating Decomposition Temperature **SARA** = Superfund Amendments and Reauthorization Act **SDS** = Safety Data Sheet **TCSI** = Taiwan Chemical Substances Inventory **TSCA** = Toxic Substances Control Act

(United States) **UN** = United Nations **UNRTDG** = United Nations Recommendations on the Transport of Dangerous Goods **vPvB** = Very Persistent and Very Bioaccumulative

Prepared by:

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.