

Section 1-Chemical Product and Company Identification

Company Information:

PremierRepak Inc.
8351 W. 185th Street
Tinley Park, IL 60487
www.premierrepak.com

Phone: (708) 444-2688
Fax: (708) 429-4280

InfoTrac 24-hour Emergency Phone Number: 1 (800) 535-5053

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: Cosmetics, Intermediate, Additives, Process regulators, other than polymerization or vulcanization processes

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 CONTROL/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:

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

Hazardous Component without workplace control parameters:

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

Occupational exposure limits of decomposition products:

| <u>Common Name</u> | <u>C.A.S. No.</u> | <u>Value type (Form of exposure)</u> | <u>Control parameters Permissible Conc.</u> | <u>Basis</u> |
|--------------------|-------------------|--|---|--------------|
| NONE | | | | |

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: none

Odor Threshold: No data available

Freezing/Melting Point: No data available.

Initial Boiling Point: >65 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: 1000 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

Appearance: liquid

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 data from similar materials.

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 (GPMT)

Species: Guinea pig

Remarks: No known sensitizing effect. Based on data from similar materials

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 test data.

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 data from similar materials

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 data from similar materials

Species: Rabbit
Application Route: Skin contact
Remarks: Based on data from similar materials

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
Remarks: No toxicity at the limit of solubility

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:

| <u>Component Name</u> | <u>CAS Number</u> | <u>Component RQ (lbs)</u> | <u>Calculated product RQ(lbs)</u> |
|-----------------------|-------------------|---------------------------|-----------------------------------|
|-----------------------|-------------------|---------------------------|-----------------------------------|

NONE

*: Calculated RQ exceeds reasonably attainable upper limit.

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.

Inventories:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), NECSI (Taiwan), TSCA (USA)

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/>

Prepared by: PremierRepak, Inc.

<http://premierrepak.com/>

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