



24 Madison Road, Fairfield, New Jersey 07004, USA
Tel: 800-771-JEEN (5336), Tel: 973-439-1401, Fax: 973-439-1402,
email: info@jeen.com , Website: www.jeen.com

SAFTY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH)

Revision Date: March 23, 2017

Version No.: 2

SECTION 1 – IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product identifier : **JEESILC PDS-1**

Relevant identified uses of the substance : Cosmetic and Personal care

Details of the supplier of the safety data sheet : JEEN International Corporation
24 Madison Road
Fairfield, New Jersey 07004
Tel: +1-973-439-1401

Contact email : teresa@jeen.com

Emergency telephone number : +1703-527-3887(Chemtrec Int'l Tel - Collect calls accepted)

SECTION 2 – HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Flammable Liquids: Category 3

GHS Label Element:



Hazards pictograms:

Signal word: Warning

Hazard Statements: H226: Flammable liquid and vapor.

Precautionary Statements:

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment

P241: Use explosion-proof electrical/ventilating/lighting/equipment

P242: Use only non-sparking tools

P243: Take precautionary measures against static discharge

P261: Avoid breathing spray

P271: Use only outdoors or in a well-ventilated area

P280: Wear protective gloves / eye protection / face protection,

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Storage:

P403 + P235: Store in a well-ventilated place. Keep cool.



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Disposal:
P501: Dispose of contents / container to an approved waste disposal plant
Other hazards: Vapors may form explosive mixture with air. Static-accumulating flammable liquid.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>CAS NUMBER</u>	<u>WT%</u>	<u>COMPONENT NAME</u>
107-51-7	85.0-100.0	Octamethyltrisiloxane

The above components are hazardous as defined in 29 CFR 1910.1200.

SECTION 4 – FIRST AID MEASURES

EYE: If irritation occurs, flush eye(s) with lukewarm gently flowing water for 5 minutes. Obtain medical attention.

SKIN: Remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Flush with lukewarm gently flowing water for 15 minutes. If irritation persists, repeat flushing. If irritation persists, obtain medical advice.

INHALATION: Remove from the source of contamination or move to fresh air. If irritation persists, obtain medical advice.

ORAL: Never give anything by mouth if victim is rapidly losing consciousness or convulsing. DO NOT INDUCE VOMITTING. Have victim drink 2 to 8 oz. (60 to 240 mL) of water. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Have victim rinse mouth with water again. Immediately obtain medical attention.

NOTES TO PHYSICIAN:

Treat according to person's condition and specifics of exposure.

SECTION 5 – FIRE FIGHTING MEASURES

FIRE FIGHTING MEASURES: Self- contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

UNUSUAL FIRE HAZARDS: Vapors are heavier than air and may travel to a source of ignition and flash back. Static electricity will accumulate and may ignite vapors. Prevent a possible fire hazard by bonding and grounding or inert gas purge. Fire burns more vigorously than would be expected.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

CONTAINMENT/CLEAN UP: Remove possible ignition sources. Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protection equipment recommendations described in Section 5 and 8. For large spills, provide diking or other store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Clean area as appropriate since spilled materials, even in small quantities may present slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated



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absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state and federal laws and regulations may apply to the 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 federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

SECTION 7 – HANDLING AND STORAGE

Use with adequate ventilation. Avoid eye contact. Avoid skin contact. Do not take internally. Avoid breathing vapor. Keep container closed.

Static electricity will accumulate and may ignite vapors. Prevent a possible fire hazard by bonding and grounding or inert gas purge. Keep container closed and away from heat, sparks, and flame.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

COMPONENT EXPOSURE LIMITS

<u>CAS NUMBER</u>	<u>COMPONENT NAME</u>	<u>EXPOSURE LIMITS</u>
107-51-7	Octamethyltrisiloxane	TWA 200 ppm

ENGINEERING CONTROLS

Local Ventilation: Recommended.
General Ventilation: Recommended.

PERSONAL PROTECTIVE EQUIPMENT FOR ROUTINE HANDLING

EYES: Use proper protection – safety glasses as a minimum.

SKIN: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended

SUITABLE GLOVES: Avoid skin contact by implementing good industrial hygiene practices and procedures. Select and use gloves and/or protective clothing to further minimize the potential for skin contact. Consult with your glove and/or personnel protective equipment manufacturer for selection of appropriate compatible materials.

INHALATION: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.

SUITABLE RESPIRATOR: General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protective should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

PERSONAL PROTECTIVE EQUIPMENT FOR SPILLS



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EYES:	Use full face respirator.
SKIN:	Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.
INHALATION/SUITABLE RESPIRATOR:	Respiratory protection recommended. Follow OSHA Respirator Regulations (29 CFR 1910.134) and use NIOSH/MHSA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
PRECAUTIONARY MEASURES:	Avoid eye contact. Avoid skin contact. Do not take internally. Avoid breathing vapor. Keep container closed. Use reasonable care.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION (CONTINUED)

COMMENTS:	When heated to temperatures above 150 degrees C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible Exposure Limit for formaldehyde.
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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:	Liquid
COLOR:	Hazy to Clear
ODOR:	Odorless
SPECIFIC GRAVITY @25°C:	0.816
VISCOSITY:	1 cSt
FREEZING/MELTING POINT:	Not Determined.
BOILING PONT:	152°C
VAPOR PRESSURE @25°C:	Not Determined.
VAPOR DENSITY:	Not Determined.
SOLUBILITY IN WATER:	Not Determined.
pH:	Not Determined.
VOLATILE CONTENT:	Not Determined.
FLASH POINT:	86°F / 30°C (Tag Closed Cup)
AUTOIGNITION TEMPERATURE:	Not Determined.
FLAMMABILITY LIMITS IN AIR:	Not Determined

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY:
HAZARDOUS POLYMERIZATION:
CONDITIONS TO AVOID:
MATERIALS TO AVOID:

HAZARODU DECOMPOSITION PRODUCTS



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Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products:
Carbon oxides and traces of incompletely burned carbon compounds. Silicone dioxide. Formaldehyde

SECTION 11 - TOXICOLOGICAL INFORMATION

ACUTE TOXICITY DATA FOR PRODUCT

	<u>SPECIES</u>	<u>TEST RESULTS</u>	<u>TYPE OF TEST</u>
ORAL LD50:	Rat	>2,000 mg/kg	
INHALATION LC50:	Rat	>2350 PPM	4hr vapor

COMPONENT TOXICOLOGY INFORMATION

This material contains octamethyltrisiloxane (L3). Repeated exposure in rats to L3 resulted in what appears to be protoporphyrin accumulation in the liver at dose levels that exceed typical workplace or consumer exposures. Without knowledge of the specific mechanism leading to the protoporphyrin accumulation the relevance to this finding to humans is unknown. Industrial, commercial, or consumer intended uses of products containing L3 do not represent a risk to humans.

SECTION 11 - TOXICOLOGICAL INFORMATION (CONTINUED)

SPECIAL HAZARD INFORMATION ON COMPONENTS

No known applicable information.

SECTION 12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE AND DISTRIBUTION

AIR: Low molecular weight volatile siloxanes in air are degraded by reaction with hydroxyl radicals, which is the dominant degradation process for most chemicals in the atmosphere.

WATER: Low molecular weight volatile siloxanes have very low water solubility and evaporate to air.

SOIL: Low molecular weight volatile siloxanes in soil are removed by several simultaneously occurring processes including volatilization, hydrolysis, and clay-catalyzed degradation.

ENVIRONMENTAL EFFECTS

TOXICITY TO WATER ORGANISMS: This product is volatile and had a very short half-life in the aquatic environment and therefore does not present a risk to aquatic organisms.

TOXICITY TO SOIL ORGANISMS: Due to its volatility, this product is unlikely to be found in the terrestrial compartment.

BIOACCUMULATION: Low molecular weight volatile siloxanes bio concentrate in fish exposed under controlled laboratory conditions that are not representative of conditions found in the environment.

FATE AND EFFECTS IN WASTE WATER TREATMENT PLANTS

Low molecular weight volatile siloxanes are efficiently removed (>90%) during wastewater treatment with approximately equal amounts going to the atmosphere and the sludge. Low molecular weight volatile siloxanes in treated wastewater effluent will be bound to particulate matter because of very low water solubility.

ECOTOXICITY CLASSIFICATION CRITERIA



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Hazard Parameters (LC50 or EC50)	High <=1	Medium >1 and <=100	Low >100
Acute Aquatic Toxicity (mg/L)	<=100	>100 and <=2000	>2000
Acute Terrestrial Toxicity			

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993.

This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material

SECTION 13 - DISPOSAL CONSIDERATIONS

RCRA HAZARD CLASS (40 CFR 261) When a decision is made to discard this material, as received, is it classified as a hazardous waste? Yes.

Characteristic Waste:

Ignitable: D001

State or local laws may impose additional regulatory requirements regarding disposal. Call (973) 439-1401, if additional information is required.

SECTION 14 – TRANSPORTATION INFORMATION

DOT ROAD SHIPMENT INFORMATION (49 CFR 172.101)

PROPER SHIPPING NAME: Flammable liquids, n.o.s.
 HAZARD TECHNICAL NAME: Octamethyltrisiloxane
 HAZARD CLASS: 3
 UN/NA NUMBER: UN 1993
 PACKING GROUP: III
 HAZARD LABELS: Flammable liquid

OCEAN SHIPMENT (IMDG)

PROPER SHIPPING NAME: Flammable liquid, n.o.s.
 HAZARD TECHNICAL NAME: Octamethyltrisiloxane
 HAZARD CLASS: 3
 UN/NA NUMBER: UN 1993
 PACKING GROUP: III
 HAZARD LABELS: Flammable liquid

AIR SHIPMENT (IATA)

PROPER SHIPPING NAME: Flammable liquid, n.o.s.
 HAZARD TECHNICAL NAME: Octamethyltrisiloxane
 HAZARD CLASS: 3
 UN/NA NUMBER: UN 1993



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PACKING GROUP: III
HAZARD LABELS: Flammable liquid

SECTION 15 – REGULATORY INFORMATION

Contents of this MSDS comply with OSHA Hazard Communication Standard 29 CFR 1910.1200.

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

EPA SARA TITLE III CHEMICAL LISTINGS

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355): NONE.

SECTION 304 CERCLA HAZARDOUS SUBSTANCES (40 CFR 302): NONE.

SECTION 311/312 HAZARD CLASS (40 CFR 370):

- Acute: Yes
- Chronic: No
- Fire: Yes
- Pressure: No
- Reactive: No

SECTION 313 TOXIC CHEMICALS (40 CFR 372): None present or none present in regulated quantities.

SUPPLEMENTAL STATE COMPLIANCE INFORMATION

CALIFORNIA

Warning: This product contains 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. None Known.

SECTION 15 – REGULATORY INFORMATION (CONTINUED)

MASSACHUSETTS

No ingredient regulated by MA Right-To-Know Law present.

NEW JERSEY

<u>CAS NUMBER</u>	<u>WT%</u>	<u>COMPONENT NAME</u>
107-51-7	85.0-100.0	Octamethyltrisiloxane

PENNSYLVANIA

<u>CAS NUMBER</u>	<u>WT%</u>	<u>COMPONENT NAME</u>
107-51-7	85.0-100.0	Octamethyltrisiloxane

SECTION 16 – OTHER INFORMATION

Health (NFPA): 1 Flammability (NFPA): 1 Reactivity (NFPA): 0



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This product safety data sheet was prepared in compliance with Commission Directive 91/155/EEC, 67/548/EEC and 199/45/EC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to this classification, packaging and labeling of dangerous substances and preparations.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the JEEN International product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the JEEN International Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with Commission Directive 1999/45/EC.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. JEEN International shall not be held responsible for any defect in the product

covered by this SDS, Should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local JEEN International Supplier a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary – even for the same product – between different countries, reflecting the different compliance requirements. Should you have any questions, please refer to your local JEEN International Supplier.

These data are offered in good faith as typical values and not as a Product Specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable; however, each user should review these recommendations in the specific context of intended use and determine whether they are appropriate.