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

- | | | |
|------------|---|--|
| 1.1 | Product Identifier Product Name | JEESILC PDS-1.5 |
| 1.2 | Relevant Identified Uses of the Substance or Mixture and Uses Advised Against Identified uses | Cosmetic raw material |
| 1.3 | Details of the Supplier of the Safety Data Sheet Company | JEEN International Corporation 24 Madison Road Fairfield, New Jersey 07004 Tel: +1-973-439-1401 Fax: +1-973-439-1402 email: info@jeen.com Website: www.jeen.com |
| 1.4 | Emergency telephone number | +1703-527-3887(Chemtrec Int'l Tel - Collect calls accepted) |

SECTION 2 – HAZARDS INGREDIENTS

- | | | |
|------------|--|--|
| 2.1 | Classification of the Substance or Mixture according to Regulation (EC) 1272/2008 | Flam. Liq. 3 Aquatic Chronic 4 |
| 2.2 | Label Elements according to Regulation (EC) EU 1272/2008 Hazard pictogram | GHS02  |
| | Signal words | Warning |
| | Hazard statements | H226: Flammable liquid and vapour H413: May cause long lasting harmful effects to aquatic life |
| | Precautionary statements | P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P233: Keep container tightly closed. P261: Avoid breathing dust/fume/gas/mist/vapours/spray P280: Wear protective gloves/protective clothing/eye protection/face protection P273: Avoid release to the environment |
| 2.3 | Other Hazards | None known |

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS



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3.1 Substances

Chemical characterization
INCI
CAS
EC

Cosmetic ingredients
Dimethicone
63148-62-9, 141-62-8
Polymer exempt

Hazardous Ingredients

Hexamethyldisiloxane

Classification acc. to Regulation (EC) No 1272/2008
Flam. Liq. 3, Aquatic Chronic 4

SECTION 4 – FIRST AID MEASURES

4.1 Acute Health Effects

Eye Contact:
Skin Contact:
Inhalation:
Ingestion:

May cause slight eye irritation
No acute toxic skin effects are expected
No acute toxic respiratory tract effects are expected.
Ingestion is not expected in industrial use.

4.2 Description of First Aid Measures

General Information:

Get medical attention if irritation or other symptoms occur. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

After Inhalation:

If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

After contact with the skin:

Wipe off excess material with cloth or paper. Use a waterless hand cleaner to remove as much of the remaining materials as possible. Wash with soap and water.

After contact with the eyes:

If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 minutes.

After swallowing:

For ingestion, do not attempt to induce vomiting. Danger of aspiration, get medical attention immediately. Show label if possible.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Flammable Properties and Methods

Flash Point:
Boiling Point / Boiling Range:
Lower Explosion Limit:
Ignition Temperature:
NPPA Hazard Class (comb. Flam liquid):

135 °F / 57.2 °C (Pensky-Martens Closed Cup)
>100°C (>212°F) at 1012 HPA (Pin 51649/1)
0.4% (v) (Pin 51649/1)
26.0%(v) (Pin 51794)
IC

5.2 Fire and Explosion Hazards

Warning: Flammable liquid and vapor. Vapors are heavier than air and may travel along the ground, be moved by ventilation system, settle in pits or low area, and be ignited by ignition sources distant from the handling point. The material is lighter than water, burning spilled material will float on top of any water released from hose or sprinkler



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|-----|---|---|
| | | systems spreading the fire beyond the initial fire response area. Consider possible formation of explosive mixture with air, for example in uncleaned containers. Electrostatic charging is possible. |
| 5.3 | Suitable Extinguishing Media | Carbon Dioxide, sand, dry chemical, or foam-type extinguishing media. |
| 5.4 | Unsuitable Extinguishing Media | Sharp water jet. |
| 5.5 | Special Exposure Hazards arising from the Substance or preparation itself, combustion products, resulting gases: | Hazardous combustible products: carbon monoxide, carbon dioxide, silicone dioxide, formaldehyde, incompletely burnt hydrocarbons. |
| 5.6 | Fire Fighting Procedures | Fire fighters should wear full protective clothing including a self-contained breathing apparatus. Use respiratory protection independent of recirculated air. Cool endangered containers with water. Fires may require significantly more extinguishing agent than a hydrocarbon fire of similar size. |

SECTION 6 – ACCIDENTAL RELEASE MEASURES

| | | |
|-----|---|---|
| 6.1 | Personal Precautions | If material is released indicate risk of slipping Hazard Pre Level: D |
| 6.2 | Environmental Precautions | Prevent material from entering sewers or surface waters. Contain any fluid that runs out using suitable material (e.g earth). Spills of material which could reach surface waters. Contain any fluid that runs out using suitable material (e.g earth) Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center, Toll Free Number (800) 424-8802 |
| 6.3 | Methods and Material for Containment and Cleaning Up | Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations. Contain larger amounts and pump up into suitable containers. Eliminate all sources of ignition. |

SECTION 7 – HANDLING AND STORAGE

| | | |
|-----|--------------------------------------|--|
| 7.1 | Precautions for Safe Handling | Ensure adequate ventilation. Spilled substance increase risk of slipping. Precautions against fire and explosion. Take precautionary measures against electrostatic charging. Vapors may form in closed rooms with air |
|-----|--------------------------------------|--|



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mixtures, leading to explosion in the presence of sources of ignition, even in empty, uncleaned vessels. Keep away from open flames, heat and sparks. Keep away from sources of ignition and do not smoke. Cool endangered containers with water.

7.2 Conditions for Safe Storage including any incompatibilities
 Conditions for storage rooms and vessels:
 Advice for storage of incompatible materials:
 Further information for storage:

None known
 Not applicable
 Store cool. Keep container rightly closed. Maximum temperature allowed during storage and transportation.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Engineering Controls

Ventilation:

General ventilation sufficient to provide 1 CFM per square foot of floor area or & room air exchange per hour as recommended.

Local Exhaust:

To control flammable/ combustible vapors: Local exhaust ventilation, which meets the requirements of ANSI 29.2, is recommended to control airborne contaminants at the point of use.

8.2 Associate Substance with Specific Control Parameters such as Limit Values

Maximum concentration at workplace recommended by producer: octamethylcycloterrasiloxanc (D4, CAS no. 556-67-2) – 10 ppm (123 Mg/mg3)

8.3 Personal Protective Equipment

Respiratory Protection:

Not normally required.

Hand Protection:

Any liquid- tight rubber or vinyl gloves.

Eye Protection:

Safety glasses with side shields or safety goggles

Other Protective clothing or equipment:

Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

8.4 General Hygiene and Protection Measures

Avoid contact with eyes, skin, clothing. Avoid breathing dust/vapor/ mist. gas/ aerosol. Follow standard industrial hygiene practices when using this material. Wash thoroughly after handling.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties

Physical form:

Clear to Slightly Hazy Liquid

Color:

Colorless

Odor:

Characteristic

Melting point:

Not determined

Boiling point:

>100 °C (>212°) at 1013 hPa



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| | |
|------------------------|--|
| Flash Point: | 135 °F / 57.2 °C (Pensky-Martens Closed Cup) |
| Ignition Temp: | Approx, 350°C (622°F) |
| Lower Explosion Limit: | 0.4% (V) |
| Upper Explosion Limit: | 26.0% (V) |
| Vapor Pressure: | 270 hPa at 100°C (212°F) |
| Vapor Pressure: | 34 hPa at 100°C (212°F) |
| Vapor Pressure: | 7.1 hPa at 20°C (68°F) |
| Density: | 0.828 g/cm ³ at 25°C (68°F) |
| Water Solubility: | Virtually insoluble at 20°C (68°F) |
| pH-Value: | Not applicable |
| Viscosity (dynamic): | 1.425 mPa at 25°C (77°F) |

SECTION 10 – STABILITY AND REACTIVITY

| | |
|--|---|
| 10.1 Hazardous Reactions | Stored and handled in accordance with standard industrial practice no hazardous reactions are known |
| 10.2 Incompatible Materials | None. |
| 10.3 Conditions to Avoid | None. |
| 10.4 Hazardous Decomposition Products | If stored and handled in accordance with standard industrial practices and local regulations where applicable: none known. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150° C or 302 °F through oxidation. |
| 10.5 Hazardous Polymerization | Will not occur. |

SECTION 11 - TOXICOLOGICAL INFORMATION

| | |
|--|--------------------|
| 11.1 Information on Toxicological Effects | No data available. |
|--|--------------------|

SECTION 12 - ECOLOGICAL INFORMATION

| | |
|--|---|
| 12.1 Biodegradation | Biologically not degradable. Polydimethylsiloxanes are degradable to a certain extent in abiotic processes. |
| 12.2 Behavior in Environmental Compartments | Generates not stable films on surface of water, is absorbed by floating particles. Separation by sedimentation. |

SECTION 13 - DISPOSAL CONSIDERATIONS

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|-------------------------------------|---|
| 13.1 Waste Treatment Methods | Completely discharge containers (no tear drops, no powder, scraped carefully). Containers may be recycled or reused. Observe local/ state/ federal regulations. |
|-------------------------------------|---|

SECTION 14 – TRANSPORTATION INFORMATION



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14.1 Shipping Description

US DOT & CANADA TDG Surface

Valuation:

Proper Shipping Name:

Technical Name:

Class:

UN number:

Packaging Group:

Label:

NAERG Page:

Hazardous Product

Flammable liquid, n.o.s

(Contains hexamethyldisiloxane)

3

1993

III

TB: flammable liquid/3

128

Transport by IMDG-Code

Valuation:

Class:

Packaging Group:

UN number:

Hazardous Product

3

III

1993

Proper Shipping Name:

Technical Name:

Marine Pollutant:

Flammable Liquid, n.o.s

Contains hexamethyldisiloxane

no

Valuation:

Class:

UN Number:

Proper Shipping Name:

Technical Name:

Packing Group:

Hazardous Product

3

1993

Flammable Liquid

(Contains hexamethyldisiloxane)

III

SECTION 15 – REGULATORY INFORMATION

15.1 U.S. Federal Regulations

TSCA Inventory status and TSCA information

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substances Inventory.

TSCA 12(b) Export Notification:

This material does not contain any CERCLA regulated chemicals.

CERCLA Regulated Chemicals:

This material does not contain any CERCLA regulated chemicals.

SARA 302 EMS Chemicals:

This material does not contain any SARA extremely hazardous substances.

SARA 311.312 Hazard Class:

Fire Hazard

SARA 313 Chemicals:

This material does not contain any SARA 313 chemicals above do minimums levels.

HAPS (Hazardous Air Pollutants):

This material does not contain any hazardous air pollutants.



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15.2 U.S. State Regulations

California Proposition 54 Carcinogens:

This material does not contain any chemicals known to the state of California to cause cancer.

California Proposition 65 Reproductive Toxins:

This material does not contain any chemicals known to the state of California to cause reproductive effects.

Massachusetts Substance List:

This material contains no listed components

New Jersey Right-to-know Hazardous Substance List:

This material contains no listed components.

15.3 Canadian Regulations

This product has been classified in accordance with the Hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS Hazard Classes:

B2 , D2A

DSL Status:

This material or its components are listed on the Canadian Domestic Substances List.

None DSL Status:

This material does not contain any non-DSL. Chemicals

Canadian Ingredient Disclosure List:

This material contains no listed components.

15.4 Label Elements according to Regulation (EC) EU 1272/2008

Hazard pictogram

GHS02



Signal words

Warning

Hazard statements

H226: Flammable liquid and vapour

H413: May cause long lasting harmful effects to aquatic life

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

P233: Keep container tightly closed.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray

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

P273: Avoid release to the environment

Precautionary statements

15.5 International Registration Status

AICS:

Australia

DSL:

Canada

ENS:

Japan

PICCS:

Philippines

TSCA:

USA

EINECS:

Europe

IECSC:

China



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SECTION 16 – OTHER INFORMATION

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