

SAFETY DATA SHEET

1. Identification

Product identifier Kerafena Velvisilk Oil-All Variants

MSDS NUMBER: 9018

CORPORATE ADDRESS: Chapman Products Co.

22Howard Creek Dr.

Fountain Inn, SC 29644

PHONE #: 800-736-5072 Monday thru Friday (8:30 AM – 6:00 PM EST)

EMERGENCY #: 800-736-5072 (24 Hours)

POISON CONTROL #: 800-949-7866 (24 Hours)

CHEMTREC #: 800-424-9300 (24 Hours, Transportation Emergencies)

All written inquiries should be sent to:

Chapman Products co. Consumer Services, 22 Howard Creek Dr. Fountain Inn, SC 29644 or Fax to: 864-862-6285

2. Hazard(s) identification

Physical hazards Flammable liquids Category 4

Health hazards Not classified.

Environmental hazards Not classified.

OSHA defined hazards Not classified.

*Hazards not stated here are "Not classified", "Not applicable" or "Classification not possible".

Label elements

Hazard symbol None.

Signal word Warning

Hazard statement Combustible liquid.

Precautionary statement

Prevention Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Wear protective gloves/protective clothing/eye protection/face protection.

Response In case of fire: Use appropriate media to extinguish.

Storage Store in a well-ventilated place. Keep cool.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC)

None known.

Supplemental information None.

HMIS® ratings Health: 1

Flammability: 2

Physical hazard: 0

3. Composition/information on ingredients

Substances

Chemical name Common name and synonyms CAS number %

Decamethylcyclopentasiloxane 541-02-6 100

4. First-aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Wash skin with soap and water.

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Eye contact Rinse immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention immediately.

Most important symptoms/effects, acute and delayed

Not available.

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

By heating and fire, harmful vapors/gases may be formed.

Special protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots, and self-contained breathing apparatus.

Fire-fighting equipment/instructions

Move containers from fire area if you can do so without risk.

Specific methods Move containers from fire area if you can do so without risk.

General fire hazards Combustible liquid.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Wear appropriate personal protective equipment.

Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

Environmental precautions Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling Provide adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition.

Do not smoke. Use care in handling/storage. Do not breathe mist or vapor.

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Store in cool place. Store in a well-ventilated place.

Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Keep in original container.

8. Exposure controls/personal protection

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection Tightly sealed safety glasses according to EN 166.

Skin protection

Hand protection Wear protective gloves.

Other Wear suitable protective clothing.

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Respiratory protection No personal respiratory protective equipment normally required.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance

Form Liquid.

Color Colorless. Clear.

Odor Slight odor.

Odor threshold Not available.

pH Not available.

Melting point/freezing point -36.4 °F (-38 °C)

Initial boiling point and boiling range

410 °F (210 °C)

Flash point 170.6 °F (77 °C) Closed Cup

Evaporation rate < 1 (Butyl Acetate=1)

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower

(%)

No data

Flammability limit - upper

(%)

No data

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 0.13 kPa (20 °C)

Vapor density > 1 (air=1)

Relative density 0.96 (25 °C)

Solubility(ies)

Solubility (water) Not soluble (<1 ppm)

Partition coefficient

(n-octanol/water)

5.2

Auto-ignition temperature about 400°C (752°F)

Decomposition temperature Not available.

Viscosity 4 mm²/s (25 °C)

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Stable at normal conditions.

Possibility of hazardous reactions

Hazardous polymerization does not occur.

Conditions to avoid None known.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition products

Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product:

Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide.

Formaldehyde.

11. Toxicological information

Information on likely routes of exposure

Ingestion No significant effects are expected.

Inhalation No significant effects are expected.

Skin contact No significant effects are expected.

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Eye contact May cause transitional slight eyes irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Not available.

Information on toxicological effects

Acute toxicity

Product Species Test Results

Decamethylcyclopentasiloxane (CAS 541-02-6)

LC50 Rat

Inhalation

Acute

> 5000 mg/m³/hr (Estimated by similar product)

LD50 Rat

Oral

> 5000 mg/kg

Skin corrosion/irritation Patch Test(24Hr/Open) : Almost negative.

Serious eye damage/eye irritation

EYE-RABBIT : MILD

Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization No evidence of sensitization

Germ cell mutagenicity Negative(Bacteria)

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Reproductive toxicity Not available.

Specific target organ toxicity - single exposure

Not available.

Specific target organ toxicity - repeated exposure

Repeated inhalation or oral exposure of mice and rats to decamethylcyclopentasiloxane produced an increase in liver size. No gross histopathological or significant clinical chemistry effects were observed. An increase in liver metabolizing enzymes, as well as a transient increase in the number of normal cells (hyperplasia) followed by an increase in cell size (hypertrophy) were determined to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive.

Aspiration hazard Not available.

12. Ecological information

Ecotoxicity No ecotoxicity data noted for the ingredient(s).

Persistence and degradability No evidence of biodegradation. Vapor undergoes indirectly photolysis in the troposphere.

Bioaccumulative potential May cause bioaccumulation.

Partition coefficient n-octanol / water (log Kow)

5.2

Mobility in soil Not available.

Other adverse effects Not available.

13. Disposal considerations

Disposal instructions Follow applicable Federal, State and Local regulations.

14. Transport information

DOT

UN number NA1993

UN proper shipping name Combustible liquid, n.o.s.(Decamethylcyclopentasiloxane)

Class Combustible liq

Transport hazard class(es)

Subsidiary risk -

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Label(s) None

Packing group III

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Special provisions IB3, T1, T4, TP1

Packaging exceptions 150

Packaging non bulk 203

Packaging bulk 241

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code This product is not intended to be transported in bulk.

the IBC Code

DOT

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

SARA 313 (TRI reporting)

Superfund Amendments and Reauthorization Act of 1986 (SARA)

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain

any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region Inventory name On inventory (yes/no)*

Australia Australian Inventory of Chemical Substances (AICS) Yes

Canada Domestic Substances List (DSL) Yes

Canada Non-Domestic Substances List (NDSL) No

China Inventory of Existing Chemical Substances in China (IECSC) Yes

Europe European Inventory of Existing Commercial Chemical

Substances (EINECS)

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Country(s) or region Inventory name On inventory (yes/no)*

Europe European List of Notified Chemical Substances (ELINCS) No

Japan Inventory of Existing and New Chemical Substances (ENCS) Yes

Korea Existing Chemicals List (ECL) Yes

New Zealand New Zealand Inventory Yes

Philippines Philippine Inventory of Chemicals and Chemical Substances Yes

(PICCS)

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing

country(s).

16. Other information, including date of preparation or last revision

Issue date 2-03-2018

Version # 01

NFPA ratings Health: 1

Flammability: 2

Instability: 0

NFPA ratings

0

Disclaimer This information is offered in good faith as typical values and not as a product specification. No warranty, 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 the intended use and determine whether they are appropriate.

This product has been designed, manufactured and developed solely for general industrial use only. This product is not designed for, intended for use as, or suitable for, medical, surgical or other particular purposes. Users have the sole responsibility and obligation to determine the suitability of this product for any application, to make preliminary tests, and to confirm the safety of this product for their use. Users must never use this product for the purpose of implantation into the human body and/or injection into humans.

Revision Information Composition / Information on Ingredients: Disclosure Overrides

Physical & Chemical Properties: Multiple Properties

Toxicological Information: Toxicological Data

Ecological Information: Ecotox Property Data

Transport Information: Proper Shipping Name/Packing Group

Regulatory Information: United States

HazReg Data: Pacific Rim

GHS: Classification

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