



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier:

Product name: MIRASIL CM5

Additional identification:

Chemical name:	Decamethylcyclopentasiloxane
REACH Registration No.:	01-2119511367-43-0003
CAS-No.:	541-02-6

Relevant identified uses of the substance or mixture and uses advised against:

Identified uses: Preparation of speciality cosmetics.

Uses advised against: None known.

Details of the supplier of the safety data sheet:

The Soap Kitchen
Unit 8 Caddsdwn Industrial Park, Clovelly Road, Bideford,
Devon EX39 3DX
Tel: 01237 420872 (+44 (0)1237 420872)
Email: it@thesoapkitchen.co.uk

SECTION 2: Hazards identification

Classification of the substance or mixture:

The product has not been classified as hazardous according to the legislation in force.

Hazard summary:

Physical hazards: No specific recommendations.

Health hazards:

Inhalation: No specific symptoms noted.

Eye contact: Slightly irritating.

Skin contact: No specific symptoms noted.

Ingestion: No specific symptoms noted.

Other Health Effects: No other information noted.

Environmental hazards: Not regarded as dangerous for the environment.

Label elements:

The product does not need to be labeled in accordance with EC directives or respective national laws.

Other hazards: No data available.

SECTION 3: Composition/information on ingredients

Substances:

General information:

INDEX No.: -
CAS-No.: 541-02-6
EC No.: 208-764-9
REACH Registration No.: 01-2119511367-43-0003
Purity:
Synonyms: -

SECTION 4: First aid measures

General: Get medical attention if symptoms occur. Contaminated clothing to be placed in closed container until disposal or decontamination.

Description of first aid measures:

Inhalation: Move into fresh air and keep at rest.

Eye contact: In the event of contact with the eyes, rinse thoroughly with clean water. Continue to rinse for at least 15 minutes.

Skin contact: Remove contaminated clothing and shoes. Wash with soap and water.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly.

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

Indication of any immediate medical attention and special treatment needed:

Hazards: No specific recommendations.

Treatment: No specific recommendations.

SECTION 5: Firefighting measures

General fire hazards: No specific recommendations.

Extinguishing media:

Suitable extinguishing media: Extinguish with foam, carbon dioxide or dry powder.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture: Combustible.

Advice for firefighters:

Special fire fighting procedures: Water spray should be used to cool containers.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment.
Environmental precautions:	Do not discharge into drains, water courses or onto the ground. Collect spillage. For a large spillage, contain the spillage by bunding.
Methods and material for containment and cleaning up:	Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be kept tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf. : § 9) Flush area with plenty of water. Incinerate in suitable combustion chamber.
Notification Procedures:	Caution: Contaminated surfaces may be slippery. For waste disposal, see section 13 of the MSDS.

SECTION 7: Handling and storage:

Precautions for safe handling:	No special precautions are necessary beyond normal good hygiene practices. See Section 8 of the MSDS for additional personal protection advice when handling this product.
Conditions for safe storage, including any incompatibilities:	Avoid discharge into drains, water courses or onto the ground. Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Avoid contact with oxidizing agents. Suitable containers: Steel drums coated with epoxy-resin.
Specific end use(s):	No data available.

SECTION 8: Exposure controls/personal protection

Control parameters:	
Occupational exposure limits:	None of the components have assigned exposure limits.
Exposure controls: Appropriate engineering controls:	Use engineering controls to reduce air contamination to permissible exposure level. Observe Occupational Exposure Limits and minimize the risk of inhalation.
Individual protection measures, such as personal protective equipment:	
General information:	Provide sufficient ventilation during operations which cause vapor formation.
Eye/face protection:	Safety Glasses
Skin protection: Hand protection:	Use protective gloves made of: Nitrile. Polyvinyl chloride (PVC).
Other:	It is a good industrial hygiene practice to minimize skin contact. Wear suitable protective clothing.
Respiratory Protection:	If ventilation is insufficient, suitable respiratory protection must be provided.
Hygiene measures:	Provide eyewash station and safety shower.
Environmental Controls:	No data available.

SECTION 9: Physical and chemical properties**Information on basic physical and chemical properties:****Appearance:**

Physical State:	Liquid
Form:	Slightly viscous.
Color:	Colourless.
Odor:	Odorless
Odor Threshold:	No data available.
pH:	Not applicable
Freezing point:	-38 °C
Boiling Point:	211 °C
Flash Point:	80 °C (Closed cup according to method Afnor T 60103.)
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)—:	No data available.
Flammability Limit - Lower (%)—:	No data available.
Vapor pressure:	0,332 hPa (23 °C)
Vapor density (air=1):	12,8
Relative density:	0,95 (20 °C) Approximate
Solubility(ies):	
Solubility in Water:	Practically Insoluble
Solubility (other):	Common organic solvents.: Miscible (in all proportions).
Partition coefficient (n-octanol/water):	5,2
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Viscosity:	Approximate 4 mm ² /s (25 °C)
Explosive properties:	No data available.
Oxidizing properties:	According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

SECTION 10: Stability and reactivity

Reactivity:	No other information noted.
Chemical stability:	Stable
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	No other information noted.
Incompatible materials:	Strong oxidizing agents.
Hazardous decomposition products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica.

SECTION 11: Toxicological information**Information on likely routes of exposure**

Inhalation:	No data available.
Ingestion:	No data available.
Skin contact:	No data available.

Eye contact: No data available.

Information on toxicological effects:

Acute Toxicity:

Oral:

Product: LD 50 (Rat): > 5 000 mg/kg

Dermal:

Product: LD 50 (Rabbit): > 2 000 mg/kg

Inhalation:

Product: LC 50 (Rat): 8,67 mg/l

Repeated dose toxicity:

Product: NOAEL (Rat, Oral): $\geq 1\,000$ mg/kg
NOAEL (Rat, Inhalation - vapor): $\geq 2,42$ mg/l
NOAEL (Rat, Dermal): $\geq 1\,600$ mg/kg

Skin corrosion/irritation:

Product: Rabbit : Not irritating

Serious eye damage/eye irritation:

Product: Rabbit : Not irritating

Respiratory or skin sensitization:

Product: Not a skin sensitizer.

Germ cell mutagenicity:

In vitro:

Product: Chromosomal aberration : No mutagenic components identified
Bacteria : No mutagenic components identified

In vivo:

Product: (Rat)No mutagenic components identified

Carcinogenicity:

Product: No data available.

Specified substance(s):

Decamethylcyclopentasiloxane No data available.

Reproductive toxicity:

Product: No data available.

Specified substance(s):

Decamethylcyclopentasiloxane No data available.

Reproductive toxicity(Fertility):

Product: No data available.

Specified substance(s):

Decamethylcyclopentasiloxane (, Inhalation): NOAEL: $\geq 2,42$ mg/l

Developmental Toxicity(Teratogenicity):

Product: No data available.

Specified substance(s):

Decamethylcyclopentasiloxane No data available.

Specific target organ toxicity - single exposure:**Product:** No data available.**Specified substance(s):**

Decamethylcyclopentasiloxane No data available.

Specific target organ toxicity - repeated exposure:**Product:** No data available.**Specified substance(s):**

Decamethylcyclopentasiloxane No data available.

Aspiration hazard:**Product:** No data available.**Specified substance(s):**

Decamethylcyclopentasiloxane No data available.

Other adverse effects:**SECTION 12: Ecological information****Toxicity:****Acute toxicity:****Fish:****Product:** LC 50 (Oncorhynchus mykiss, 96 h): > 0,016 mg/l**Aquatic invertebrates:****Product:** LC 50 (Water flea (Daphnia magna), 48 h): > 0,0029 mg/l**Chronic Toxicity:****Fish:****Product:** NOEC (Oncorhynchus mykiss, 90 d): >= 0,014 mg/l**Aquatic invertebrates:****Product:** NOEC (Water flea (Daphnia magna), 21 d): >= 0,015 mg/l**Toxicity to Aquatic Plants:****Product:** EC50 (Pseudokirchneriella subcapitata, 96 h): > 0,012 mg/l
NOEC (Pseudokirchneriella subcapitata, 96 h): >= 0,012 mg/l**Persistence and degradability:****Biodegradation:****Product:** 0,14 % (28 d) The product is not readily biodegradable.**BOD/COD ratio:****Product:** No data available.**Specified substance(s):**

Decamethylcyclopentasiloxane No data available.

Bioaccumulative potential:**Product:** Fathead Minnow, Bioconcentration factor (BCF): 7 060**Mobility in soil:** No data available.**Known or predicted distribution to environmental compartments:**

Decamethylcyclopentasiloxane No data available.

Results of PBT and vPvB assessment: No data available.

Decamethylcyclopentasiloxane No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Waste treatment methods:

General information: The user's attention is drawn to the possible existence of local regulations regarding disposal.

Disposal methods: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Incinerate.

Contaminated packages should be as empty as possible. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site.

European Waste Codes:

Unused product: 07 02 17

SECTION 14: Transport information

This material is not subject to transport regulations.

Environmental hazards: Not regulated.

Special precautions for user: No special precautions.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU Regulations:

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: None

Regulation (EC) No. 850/2004 on persistent organic pollutants: None

Regulation (EC) No. 689/2008 Import and export of dangerous chemicals: None

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended:
None

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:
None

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work: None

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: None

Directive 96/61/EC: concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registry (EPER): None

Directive 96/82/EC (Seveso II): on the control of major accident hazards involving dangerous substances: None

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work.: None

National Regulations:

Chemical safety assessment: No data available.

SECTION 16: Other information

Revision Information: Not relevant.

Key literature references and sources for data: No data available.

Wording of the R-phrases and H-statements in section 2 and 3: None

Training information: No data available.

Inventory Status

Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
EU EINECS List:	On or in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory

Issue date: 11.04.2014

SDS No.:

Disclaimer: The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.