

SAFETY DATA SHEET

MIRASIL C-DML

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Date: 13/03/2007

Version: 2

Cancels and replaces version: 1.00

1 Product and company identification.

PRODUCT NAME : MIRASIL C-DML

Use : Preparation of speciality cosmetics.

SUPPLIER : Manufacturer :

Name : BLUESTAR SILICONES FRANCE S.A.S. [*]

Address : 21, Avenue Georges Pompidou
F-69486 LYON Cedex 03

Telephone number : +33 (0) 4 72 13 19 00

Telefax number : +33 (0) 4 72 13 19 88

MANUFACTURING SITE

Factory : BLUESTAR SILICONAS ESPAÑA S.A. [*]

Address : Polígono Industrial La Florida
Calle Vic, 3
08130 - STA PERPETUA DE MOGODA
España

Telephone number : +34 93 504 02 00

Telefax number : +34 93 574 16 12

2 Composition / information on ingredients

>> PREPARATION

Chemical nature : Blend based on:
Decamethylcyclopentasiloxane
Polydimethylsiloxane
(541-02-6 & 70131-67-8)

Components contributing to the hazard : None.

3 Hazards identification

MOST IMPORTANT HAZARDS

Adverse human health effects : Slightly irritating to eyes.

Physical and chemical hazards

- Fire or explosion : Combustible liquid.

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Specific hazards : According to EC criteria, this product is not classified as a "hazardous preparation".

4 First-aid measures

Inhalation : Move the person away from the contaminated area. Make the affected person rest.

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

Eye contact : Rinse with running water whilst keeping the eyes wide open. (at least 15 minutes).

Ingestion : NEVER attempt to induce vomiting. Rinse mouth out with water.

5 Fire - fighting measures

Extinguishing media

- Suitable : Foam
Powders
Carbon dioxide (CO₂)

- Not suitable : Strong water jet.

Specific hazards : Combustible liquid.
During combustion:
Toxic and highly flammable gases are released (explosion hazard).
Hazardous dust is released.

Specific fire fighting methods : Cool down the containers/equipment exposed to heat with a water spray.

Protection of fire-fighters : Self-contained breathing apparatus.

6 Accidental release measures

Personal precautions

: Personal protective equipment:
- safety glasses.
- appropriate gloves.
- suitable protective clothing.
Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions

: For a large spillage, contain the spillage by bunding.
Do NOT discharge into drains or rivers.

Methods for cleaning up

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| - Recovery | : | Collect up the product and place it in a spare container:
- suitably labelled.
- with a closing device.
Keep the recovered product for subsequent disposal. |
| - Neutralization | : | Absorb non-recoverable liquid with:
- dry sand or dry inert absorbent. |
| - Cleaning/Decontamination | : | Decontaminate and wash the floor with an appropriate self-emulsifying solvent.
Then wash with plenty of water. |
| - Disposal | : | Incinerate contaminated materials at an authorized installation. |
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7 Handling and storage

HANDLING

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|--------------------|---|---|
| Technical measures | : | Does not require any specific or particular measures. |
|--------------------|---|---|

STORAGE

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|--------------------|---|---|
| Technical measures | : | Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. |
|--------------------|---|---|

Storage conditions

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|---------------|---|---|
| - Recommended | : | Stable under normal storage conditions. |
|---------------|---|---|

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|-----------------------|---|--------------------------|
| Incompatible products | : | Strong oxidizing agents. |
|-----------------------|---|--------------------------|

- | | | |
|-----------|---|---|
| Packaging | : | - Steel drums varnished with epikote.
- Plastic drums. |
|-----------|---|---|

Packaging materials

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|---------------|---|---------------------------------|
| - Recommended | : | Coated steels.
Polyethylene. |
|---------------|---|---------------------------------|
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8 Exposure controls / personal protection

- | | | |
|----------------------|---|--|
| Engineering measures | : | The product, as is, does not require any specific/particular measures provided it is handled in accordance with good industrial hygiene and safety practice. |
|----------------------|---|--|

Personal protective equipment

- | | | |
|-------------------|---|---------------------|
| - Hand protection | : | Appropriate gloves. |
| - Eye protection | : | Safety spectacles. |

- | | | |
|--------------------------------|---|---------------------------------|
| Collective emergency equipment | : | Eye fountain.
Safety shower. |
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9 Physical and chemical properties

APPEARANCE

- Physical state : Liquid.
- Form : viscous.
- Colour : colourless.
- Odour : very slight.
- pH : Not applicable (insoluble product)

Specific temperatures

Flammability characteristics

- Flash point : 73°C (Closed cup, according to method AFNOR T 60103).

- Oxidizing properties : Non oxidizing material according to EC criteria.

- Specific gravity : Approx. 960 kg/m³ at 25°C.

Solubility

- in water : Practically insoluble.
- in organic solvents : Insoluble in:
 - acetone
 - alcohol (ethanol)Miscible (in all proportions) with:
 - diethylether
 - Aliphatic hydrocarbons.
 - aromatic hydrocarbons (toluene, xylene).
 - chlorinated solvents.

- Kinematic viscosity : approx. 6000 mm²/s at 25 °C.
-

10 Stability and reactivity

- Stability : Stable at room temperature.

Hazardous reactions

- Materials to avoid : Reacts with:
 - strong oxidizing agents.
 - Hazardous decomposition products : On combustion or on thermal decomposition (pyrolysis) releases:
toxic gases.
(Carbon oxides (CO + CO₂)).
amorphous silica
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11 Toxicological information

Acute toxicity	:	Not classified as harmful by inhalation Not classified as harmful by contact with skin Not classified as harmful if swallowed (by calculation according to the conventional method) (internal evaluation)
Local effects	:	Not classified as irritating to skin (by calculation according to the conventional method) (internal evaluation) Not classified as irritating to eyes May cause slight temporary irritation to ocular mucous membranes.
Sensitisation	:	Not classified as sensitising by skin contact (by calculation according to the conventional method) (internal evaluation)
Specific effects	:	
- Mutagenicity	:	Data available only for some components No genotoxic potential was observed in tests performed on the components of the preparation.

12 Ecological information

MOBILITY

Expected behaviour of the product : Ultimate destination of the product: SOIL and AIR

DEGRADABILITY

Abiotic degradation

- Photolysis : The volatile component is photodegradable.

BIODEGRADABILITY

- Ultimate aerobic biodegradability : According to the data on the components
To be considered to be :
Not biodegradable.
(internal evaluation)

BIOACCUMULATION

Bioconcentration factor. : Decamethylcyclopentasiloxane
Bioaccumulable.
(Unpublished reports)
Polydimethylsiloxane
Not bioaccumulable.
(Published data).

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ECOTOXICITY

- Effects on the aquatic environment : According to the data on the components
NOT considered to be :
Harmful to aquatic organisms.
(internal evaluation)
- Further information : Not classified as Dangerous for the Environment, according to
EC criteria.
(by calculation according to the conventional method)
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13 Disposal considerations

RESIDUES FROM PRODUCT

- Destruction/Disposal : Dispose of at a licensed waste collection point.

CONTAMINATED PACKAGING

- Decontamination/cleaning : Allow it to drain thoroughly.
Rinse with an appropriate solvent.
Recover the solvent used for rinsing and incinerate at a licensed site.
- Destruction/Disposal : Recycle following cleaning or dispose of at an authorised site.
- NOTE : The user's attention is drawn to the possible existence of local regulations regarding disposal.
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14 Transport information

INTERNATIONAL REGULATIONS**Land**

- Rail/road (RID/ADR) : NOT restricted.

- Sea (IMO/IMDG) : NOT restricted.

- Air (ICAO-IATA) : NOT restricted.

- NOTE : The above regulatory prescriptions are those valid on the date of publication of this sheet.
Given the possible evolution of transport regulations for hazardous materials, it would be advisable to check their validity with your sales office.
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15 Regulatory information

LABELLING

EC regulations : Mandatory labelling (self-classification) of hazardous preparations: **NOT APPLICABLE**

NOTE : The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16 Other information

Registration numbers : These polymers are not concerned by the EINECS inventory. The corresponding monomers are registered in the EINECS inventory.
All the other constituents of this preparation are registered in the EINECS inventory.

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.