

SAFETY DATA SHEET

MIRACARE SLB 365/G

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Date/Revision: 09/12/2010

Version: 2.01

Cancels and replaces version: 1.00

1 Product and company identification.

PRODUCT NAME : MIRACARE SLB 365/G
Use : Surfactants used in cosmetics.
SUPPLIER : Distributor :
Name : Rhodia (Shanghai) International Trading Co., Ltd.
Address : Room 501, 227 Huang Pi (North) Road, Central Plaza, Shanghai
Telephone number : +86 -21- 6375 8278
Telefax number : +86 -21- 6375 8040
E-mail : Information.FDS@eu.rhodia.com
EMERGENCY TELEPHONE NUMBER : **Multi Lingual Emergency Number (24/7)**
Europe / America / Africa: +44 1235 239 670 (UK)
Asia Pacific: +65 3158 1074 (Singapore)
Middle East & Africa (speaking Arabic): +44 1235 239 671 (UK)
China: +86 10 5100 3039 (Beijing) [*]

2 Hazards identification

CLASSIFICATION

Adverse human health effects

: Irritating to skin.
Severely irritating to the eyes. Risk of serious damage to eyes.

Environmental effects

: Harmful to aquatic organisms.
May cause long-term adverse effects to the aquatic environment.

Physical and chemical hazards

- Fire or explosion

: NO particular fire or explosion hazard.

- Further hazards

: No specific hazard under normal conditions of use.

Specific hazards

: According to EC criteria, this product is classified as :
- DANGEROUS FOR THE ENVIRONMENT.
- IRRITANT.

LABELLING

- Classifications/Symbols

: **- DANGEROUS FOR THE ENVIRONMENT (no symbol)**
- IRRITANT (Xi)

- R phrases

: R 38: Irritating to skin.
R 41: Risk of serious damage to eyes.
R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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- S phrases	:	S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 36/39: Wear suitable protective clothing and eye/face protection. S 61: Avoid release to the environment. Refer to special instructions/Safety data sheet.
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3 Composition / information on ingredients

>> PREPARATION

Chemical nature	:	Blend based on surfactants
Components contributing to the hazard	:	Sodium tridecyl ether sulphate ethoxylated (CAS : 25446-78-0) : > 20 % - EC N° :246-985-2- Self-classification : Xi; R38-41 R52/53 Amides, coco, N-(hydroxyethyl) (CAS : 68140-00-1) : < 10% - Self-classification : Xi; R41 EC N° :268-770-2
Components presenting hazards	:	Ethylene oxide (impurity) (CAS: 75-21-8) : 1 ppm. - EC N° :200-849-9 - EC Classification : F+; R12, Carc.Cat.2; R45, Muta.Cat.2; R46, T; R23, Xi; R36/37/38 (19 N)§ 1,4-Dioxane (impurity) (CAS: 123-91-1) : 25 ppm (max.). - EC N° :204-661-8 - EC Classification : F; R11-19, Carc.Cat.3; R40, Xi; R36/37, R66 (28 R)§ FORMALDEHYDE(impurity)(CAS : 50-00-0) : 20 ppm (max.). - EC N° :200-001-8- EC Classification : Car.Cat.3, R40 - T; R23/24/25 - C; R34 - R43(22 R)§
>>Further information	:	§ : (N) : New entry in the Adaptation to Technical Progress of Annexe I of Directive 67/548/EEC. § : (R) : Revision of the entry in the Adaptation to Technical Progress of Annexe I of Directive 67/548/EEC.

4 First-aid measures

Inhalation	:	Not specifically applicable.
Skin contact	:	Remove all contaminated clothing and footwear. Use appropriate protective equipment when treating a contaminated person. Wash with water.Wash immediately and thoroughly for a prolonged period (at least 15 minutes). In case of inflammation (redness, irritation, ...) obtain medical attention. Show this sheet to the doctor.

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Eye contact	:	Immediately rinse with plenty of running water for a prolonged period, (at least 15 minutes) whilst keeping the eyes wide open. Always obtain medical advice immediately, even if there are no symptoms. Show this sheet to the doctor.
Ingestion	:	NEVER attempt to induce vomiting. Rinse mouth out with water.
Protection of first-aiders	:	- gloves, boots. - glasses with side shields.
Further information	:	Place contaminated clothing in a sealed bag for disposal. Use appropriate protective equipment when treating a contaminated person.

5 Fire - fighting measures

Extinguishing media

- Suitable	:	Water spray Carbon dioxide (CO2) Foam Multi-purpose powders
- Not suitable	:	Strong water jet.
Specific hazards	:	Combustible, following the evaporation of water. On heating there is a risk of a build-up of pressure in hermetically sealed containers or tanks.
Protection of fire-fighters	:	Boots, gloves, goggles.

6 Accidental release measures

Personal precautions	:	Prevent the product from spreading into the environment. Protective equipment: - appropriate gloves. - safety glasses. Goggles. Recover the product as quickly as possible.
Environmental precautions	:	Contain the spilled material by bunding (product is hazardous for the environment). DO NOT discharge into drains or rivers (product is hazardous for the environment).
Methods for cleaning up	:	
- Prohibited	:	Do NOT spray water into packaging which has been damaged or overturned.
- Recovery	:	Recover as much of the product as possible. Pump up the product into a spare container : - suitably labelled. Carefully recover the remainder.
- Neutralization	:	If recovery is impossible or if the pools are too small, absorb with: - dry absorbent material.

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|----------------------------|---|--|
| - Cleaning/Decontamination | : | Wash the floor with plenty of water. Recover the cleaning water for subsequent disposal. |
| - Disposal | : | Dispose of all contaminated materials in accordance with current regulations. |
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7 Handling and storage

HANDLING

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

Measures : Avoid any contamination of the surrounding area.
Do NOT handle if hands have any cuts or wounds.
Do NOT handle without gloves.
Do not pipette liquids using a mouth pipette.

Safe handling advice : Comply with instructions for use.

STORAGE

Technical measures : The floor of the depot should be impermeable.
Ensure that there is a suitable retention system.
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

- Recommended : Store:
- protected from frost.
- at temperatures of between 15°C and 35°C.

Incompatible products : Strong oxidizing agents.
Strong reducing agents.

Packaging : Product must only be kept in the original packaging.

Packaging materials

- Recommended : Plastic coated materials.
Glass.

- Not suitable : Ordinary steel.

8 Exposure controls / personal protection

Engineering measures : Ensure good ventilation of the work station.
Avoid splashes (appropriate clothing, protective screens on machines etc.)

Control parameters

Exposure limit values (Human Health)

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- Occupational exposure limit values (France)	: 1,4-Dioxane : VLE: 140 mg/m ³ (40 ppm) VME: 35 mg/m ³ (10 ppm) Ethylene oxide : VLE: 5 ppm VME: 1 ppm Formaldehyde : VLE: 1 ppm VME: 0.5 ppm
Personal protective equipment	
- Respiratory protection	: If the ventilation is suitable, it is not essential to wear respiratory equipment.
- Hand protection	: Impermeable protective gloves. Long protective gloves, which go over the sleeves. The selection of gloves must take into account the extent and duration of use at the workstation. Protective gloves must be chosen according to the function of the work station: other chemicals which may be handled, physical protection necessary (resistance to cutting, puncture, heat), dexterity required. Use suitable chemical-resistant protective gloves (compliant with Standard EN 374-1)
- Eye protection	: Safety spectacles and a face shield.
- Skin and body protection	: Protective clothing.
- Selection criteria	: Protective equipment must be chosen according to current CEN standards and in cooperation with the supplier of protective equipment. Personal protective equipment must be defined after risk assessment for the workstation.
Collective emergency equipment	: Safety shower. Eye fountain. Personal protective equipment available close by in case of emergency.
Hygiene measures	: Do NOT drink, eat or smoke in the workplace. Cover with waterproof dressings to avoid contamination (in case of cuts, scratches etc...) Always wash your hands after handling the product. Use clean and correctly maintained personal protective equipment Before re-use, thoroughly clean: - personal protective equipment. Keep personal protective equipment in a clean place, away from the work area

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9 Physical and chemical properties

APPEARANCE

- Physical state : Liquid.
- Colour : yellow
- Odour : characteristic.
- pH : 9.0 - 10.0 (Aqueous solution - 10g/100 ml).
- Specific temperatures
- Flammability characteristics
- Flash point : Not applicable (aqueous liquid).
- Oxidizing properties : Non oxidizing material according to EC criteria.
- Solubility
- in water : Miscible (in all proportions).
- in organic solvents : Insoluble or practically soluble in common organic solvents.

10 Stability and reactivity

- Stability : Stable under normal conditions of use.
- Hazardous reactions
- Materials to avoid :
 - strong oxidizing agents.
 - strong reducing agents.
- Hazardous decomposition products : (Carbon oxides (CO + CO₂)).
(Sulphur oxides).

11 Toxicological information

Acute toxicity

- : According to the data on the components:
(Unpublished reports)
NOT considered to be :Harmful if swallowed.
(by calculation according to the conventional method)

Local effects

- : According to the data on the components
(Unpublished reports)
to be considered to be : Irritating to the skin.
Severely irritating to the eyes. Risk of serious damage to eyes
(by calculation according to the conventional method)

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Sensitisation	:	According to the data on the components (Unpublished reports) By analogy, to be considered to be : Not classified as sensitising by skin contact
Specific effects	:	
- Mutagenicity	:	According to the data on the components Ames test (Unpublished reports) Product is not considered to be genotoxic

12 Ecological information

MOBILITY

Expected behaviour of the product : Ultimate destination of the product : WATER.

BIODEGRADABILITY

- Ultimate aerobic biodegradability : According to the data on the components
To be considered to be : Partially biodegradable.
(Unpublished reports)(Unpublished internal reports)

BIOACCUMULATION

Octanol/water partition coefficient : Not applicable (tensio-active)

ECOTOXICITY

Effects on the aquatic environment : According to the data on the components
To be considered to be : Harmful to aquatic organisms tested.
(Unpublished reports) (Unpublished internal reports)

Further information : This preparation is classified as : - **DANGEROUS FOR THE ENVIRONMENT (no symbol)**
(by calculation according to the conventional method)

13 Disposal considerations

RESIDUES FROM PRODUCT

Prohibition : Discharging waste into rivers and drains is forbidden.

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

CONTAMINATED PACKAGING

Decontamination/cleaning : Carefully drain and then steam clean.
Make sure that the packaging does not contain any dry residues or liquids which may run or stick to the sides of the container.

Destruction/Disposal : Incinerate at an installation suitable for this type of packaging.

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.

>>Specific precautionary measures : Protect from frost.

NOTE : The above regulatory prescriptions are those valid on the date of publication of this sheet. However, given the possible evolution of transport regulations for hazardous materials and in the event of the SDS in your possession dating back more than 12 months, it is advisable to check their validity with your sales office.

15 Regulatory information

EC regulations : Mandatory labelling (self-classification) of hazardous preparations: **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.
We also recommend that you refer to all other relevant national and local legislation.

16 Other information

R Phrases of § 2 & 3 : R 11: Highly flammable.
R 12 : Extremely flammable.
R 19 : May form explosive peroxides.
R 23 : Toxic by inhalation.
R 23/24/25 : Toxic by inhalation, in contact with skin and if swallowed.
R 34: Causes burns.
R 36/37: Irritating to eyes and respiratory system.
R 36/37/38: Irritating to eyes, respiratory system and skin.

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R 38: Irritating to skin.
R 40: Limited evidence of a carcinogenic effect.
R 41: Risk of serious damage to eyes.
R 43: May cause sensitisation by skin contact.
R 45: May cause cancer.
R 46: May cause heritable genetic damage.
R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 66: Repeated exposure may cause skin dryness or cracking.

* Update : This sheet was updated (refer to the date at the top of this page).
Subheadings and text which have been modified since the previous version are indicated with an asterisk (*).

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.