

# Safety Data Sheet

according to Regulation (EU) No. 1907/2006

## ORCHIDEE SC-1

Print date : 12/12/2009

Product code : 1.300.1.8.24

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### 1. Identification of the substance/preparation and of the company/undertaking

#### Identification of the substance or preparation

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#### Company/undertaking identification

Company name :	ORCHIDEE GROUP	
	c/o ORCHIDEE GERMANY GmbH	
Street :	Industriestrasse 11	
Place :	D--68526 Ladenburg	
Telephone :	+49.6203.934.151	Telefax : +49.6203.934.150
Contact person :	Falko Helmlinger	Telephone : 165
e-mail :	f.helmlinger@orchidee germany.com	
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Emergency telephone :	+49.6203.934-112	

### 2. Hazards identification

#### Classification

Indications of danger : Irritant  
 R-phrases :  
 Risk of serious damage to eyes.

#### Explication of special hazards for human health and environment

Within expanded foam respiration is not possible, danger of suffocation!

### 3. Composition/information on ingredients

#### Chemical characterization ( substance )

#### Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
203-961-6	112-34-5	Diethylene glycol monobutyl ether	15 - 20 %	Xi R36
200-578-6	64-17-5	ethanol, ethyl alcohol	5 - 10 %	F, Xn, Xi R11-20/21/22-36/37/38
205-535-5	142-31-4	Sodium Octyl Sulfate	5 - 10 %	Xi R36/37/38
	110615-47-9	Alkylpolyglycoside C10-16	1 - 5 %	Xi R38-41
263-058-8	61789-40-0	Cocoamidopropyl Betaine	1 - 5 %	Xi R36

Full text of each relevant R phrase can be found in heading 16.

### 4. First aid measures

#### General information

Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use.

#### After inhalation

In case of shortness of breath, give oxygen. Keep under medical supervision for at least 48 hours. Show this safety data sheet to the doctor in attendance. No artificial respiration, mouth-to-mouth or mouth to nose. Use suitable instruments/apparatus.

#### After contact with skin

Wash off with warm water and soap.

#### After contact with eyes

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

#### After ingestion

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Remove from exposure, lie down. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). No artificial respiration, mouth-to-mouth or mouth to nose. Use suitable instruments/apparatus.

**Advice to doctor**

Wash off with warm water and soap.

**5. Fire-fighting measures****Suitable extinguishing media**

The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases**

Possibility of generating hazardous reactions during a fire due to the presence of F and CN groups.

**6. Accidental release measures****Personal precautions**

Use personal protective equipment. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**Environmental precautions**

Dam up. Should not be released into the environment. Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up/taking up**

Wipe up with absorbent material (e.g. cloth, fleece). Use mechanical handling equipment. Keep in suitable, closed containers for disposal.

**7. Handling and storage****Handling****Advice on safe handling**

Use working solution immediately - Do not store. Never mix concentrates directly. Never return unused material to storage receptacle.

**Advice on protection against fire and explosion**

No special handling advice required.

**Storage****Requirements for storage rooms and vessels**

Store in original container. Store in a cool and shaded area. Keep in a well-ventilated place.

**Advice on storage compatibility**

Maximum storage temperature: 50

Minimum storage temperature: -13

**Further information on storage conditions**

Keep container tightly closed.

**8. Exposure controls/personal protection****Exposure limit values**

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### Exposure limits (EH40)

CAS-No.	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

### Exposure controls

#### Protective and hygiene measures

Avoid contact with skin, eyes and clothing. Wear suitable gloves and eye/face protection. When using do not eat or drink.

#### Respiratory protection

not required under normal use May be harmful by inhalation (after often repeated exposure).

#### Hand protection

impervious gloves

#### Eye protection

safety glasses with side-shields

#### Skin protection

Avoid contact with skin.

## 9. Physical and chemical properties

### General information

Physical state : liquid  
Colour : amber

### Important health, safety and environmental information

pH-Value (at 20 °C) : 7.0 - 9.0

Test method

#### Changes in the physical state

Melting point : -15 °C

Boiling point : 95 °C

Density (at 20 °C) : 1.04 g/cm<sup>3</sup>

Water solubility : completely miscible

Viscosity / kinematic : 8.0 - 12.0 mm<sup>2</sup>/s  
(at 20 °C)

## 10. Stability and reactivity

#### Conditions to avoid

Stable under recommended storage conditions.

#### Hazardous decomposition products

No decomposition if stored and applied as directed.

## 11. Toxicological information

#### Corrosive and irritant effects

irritant effects

#### Sensitising effects

irritant effects

#### Severe effects after repeated or prolonged exposure

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

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**12. Ecological information****Ecotoxicity**

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

**Persistence and degradability**

Waste water from subsequent processing should be given appropriate treatment in line with local regulations. The surfactant components are more than 90% biodegradable. The product contains organic halogens.

**Bioaccumulative potential**

Does not bioaccumulate. Ecological injuries are not known or expected under normal use.

**Further information**

Discharge into the environment must be avoided.

**13. Disposal considerations****Advice on disposal**

If recycling is not practicable, dispose of in compliance with local regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions: 07 06 99

**14. Transport information****Land transport (ADR/RID)****Other applicable information (land transport)**

Not dangerous goods - full transport

**Inland waterways transport****Other applicable information (inland waterways transport)**

Not dangerous goods - full transport

**Marine transport****Other applicable information (marine transport)**

Not dangerous goods - full transport

**Air transport****Other applicable information (air transport)**

Not dangerous goods - full transport

**15. Regulatory information****Labelling**

Danger symbols :

Xi - Irritant



Xi - Irritant

**R phrases**

41 Risk of serious damage to eyes.

**S phrases**

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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39 Wear eye/face protection.

**Additional advice on labelling**

Classification according to European directive on classification of hazardous preparations 1999/45/EC.

**EU regulatory information****Additional information**

Classification according to European directive on classification of hazardous preparations 1999/45/EC. Safety data sheet available for professional user on request.

**National regulatory information**

Water contaminating class (D) : 2 - water contaminating

**16. Other information****Full text of R-phrases referred to under sections 2 and 3**

- 11 Highly flammable.
- 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- 36 Irritating to eyes.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 38 Irritating to skin.
- 41 Risk of serious damage to eyes.

**Further Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.