

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## ORCHIDEE SC-6 TM

Print date: 01.12.2015

Product code: 1.300.3.98

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

#### 1.1. Product identifier

ORCHIDEE SC-6 TM

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

extinguishing agent

#### 1.3. Details of the supplier of the safety data sheet

Company name: ORCHIDEE S.A.S  
 Street: 72 rue Caroline Follet  
 Place: F-F - 80160 CONTY  
 Telephone: +33 (0)3 22 41 30 89      Telefax: +33 (0)3 22 41 32 88  
 e-mail: contact@orchideefrance.com  
 Internet: www.orchideefrance.com  
 Responsible Department: Office open hours : 8:00 - 17:00

#### 1.4. Emergency telephone number:

+33 (0)3 22 41 30 89

### SECTION 2: Hazards identification

#### 2.2. Label elements

Regulation (EC) No. 1272/2008

##### Special labelling of certain mixtures

EUH210      Safety data sheet available on request.

#### 2.3. Other hazards

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

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether			1 - < 5 %
	203-961-6	603-096-00-8		
	Eye Irrit. 2; H319			

Full text of H and EUH statements: see section 16.

##### Further Information

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### After inhalation

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). Symptoms of poisoning may develop several hours following exposure. Victim should be under medical

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observation for at least 48 hours after exposure.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

**After contact with eyes**

Immediately flush eyes with large amounts of water. Get immediate medical attention.

**After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**

Irritation and etching

**4.3. Indication of any immediate medical attention and special treatment needed**

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Product itself is fire extinguishing agent

**5.2. Special hazards arising from the substance or mixture**

At high temperature : concentrate gives toxic products. Thermal decomposition of usage concentrations does not present a hazard.

**5.3. Advice for firefighters**

Avoid contact with water reactive materials, burning metals and electrically energized equipment.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment. Use appropriate respiratory protection.

**6.2. Environmental precautions**

Do not empty into drains or the aquatic environment.

Clean contaminated objects and areas thoroughly observing environmental regulations. Treat the assimilated material according to the section on waste disposal.

**6.3. Methods and material for containment and cleaning up**

Soak up inert absorbent and dispose as waste requiring special observation. Use approved industrial vacuum cleaner for removal.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Keep container tightly closed and in a well-ventilated place.

**Advice on protection against fire and explosion**

No special handling instructions are necessary.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep only in the original container in a cool, well-ventilated place.

**Advice on storage compatibility**

Maximum storage temperature: 50

Minimum storage temperature: -17

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	WEL
		15	101.2		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

### 8.2. Exposure controls

#### Appropriate engineering controls

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.

#### Protective and hygiene measures

Avoid contact with skin, eye and clothing. When handling chemical substances, chemical protective gloves must be worn with CE label including a four digit code. Do not eat, drink, smoke or sneeze at the workplace.

#### Eye/face protection

"Avoid eye contact with vapour, spray, or mist. Wear vented goggles."

#### Hand protection

Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: Butyl rubber.

#### Skin protection

Avoid skin contact.

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state: liquid  
 Colour: light yellow

pH-Value (at 20 °C): 7.5 - 8.5

#### Changes in the physical state

Melting point: -19 °C

Initial boiling point and boiling range: 78 °C

Sustaining combustion: Not sustaining combustion

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

Water solubility: highly soluble.

Viscosity / dynamic:  
 (at 20 °C) <20 mPa·s

Solvent content: 1.09 %

### 9.2. Other information

Solid content: 1.51 %

#### Test method

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#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

none/none

##### 10.2. Chemical stability

The study does not need to be conducted because the substance is known to be soluble in water to form a stable mixture.

##### 10.3. Possibility of hazardous reactions

none/none

##### 10.4. Conditions to avoid

none/none

##### 10.5. Incompatible materials

none/none

##### 10.6. Hazardous decomposition products

none/none

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

###### Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether				
	oral	LD50	5660 mg/kg	Rat	
	dermal	LD50	4120 mg/kg	Rabbit	

#### SECTION 12: Ecological information

##### 12.1. Toxicity

none/none

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether					
	Acute algae toxicity	ErC50	> 100 mg/l		Scenedesmus sp.	
	Acute crustacea toxicity	EC50	> 100 mg/l	48 h	Daphnia magna	

##### 12.2. Persistence and degradability

Biological degradation - Excellent degradability 97 % within 14 days

DBO5 (g/L) = 5,8 (For a 1% preparation)

DCO (g/L) = 9,4 (for a 1% preparation)

##### 12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

###### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	0,56 (25°C)

##### 12.4. Mobility in soil

Product is biodegradable.

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**12.5. Results of PBT and vPvB assessment**

This substance does not meet the criteria for classification as PBT or vPvB.

**12.6. Other adverse effects**

none/none

**Further information**

Depending on local conditions and existing concentrations, in the case of discharge into biological sewage treatment plants, problems in the decomposition activity of activated sludge are possible.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Waste disposal according to official state regulations. Waste disposal according to EC Directives 75/442/EEC and 91/689/EEC on waste and hazardous waste in their latest versions.

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

Not classified for this carrier.

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

Not classified for this carrier.

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

Not classified for this carrier.

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

Not classified for this carrier.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2010/75/EU (VOC): 1.09 % (11.335 g/l)

2004/42/EC (VOC): 3.3 % (34.319 g/l)

**National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

**15.2. Chemical safety assessment**

For this mixture a chemical safety assessment has been carried out.

**SECTION 16: Other information****Relevant H and EUH statements (number and full text)**

H319 Causes serious eye irritation.  
EUH210 Safety data sheet available on request.

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be

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transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*