

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Trade name PrestoGuard A-30 ENG
Article type Fire extinguishing product
Supplier Presto
Street address Värmbolsvägen 2
Box 315
Box 315
641 23 Katrineholm
Sverige
Telephone 0150-76000
Fax 0150-76030
Manufacturer Orchidee S.A.S
Street address 72 rue Caroline Follet
FR-F - 80160 CONTY
Frankrike
Telephone 33 (0)3 22 41 30 89
Fax 33 (0)3 22 41 32 88

2. HAZARDOUS PROPERTIES

Information about dangerous properties Classification: Xn/Harmful
Harmful if swallowed

Xn



Harmful

Danger class Xn - Harmful
Hazard phrases R22 - Harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS no	EC-No.	Concentration	Danger symbols	R -phrase(s)	List
ethanediol,ethylene glycol	107-21-1	203-473-3	40 - 45%	Xn	22	-

4. FIRST AID MEASURES

First aid in case of ingestion 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.

First aid in case of skin contact Wash off with warm water and soap.



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4. FIRST AID MEASURES

- First aid in case of 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.
- First aid in case of eye contact** In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Information to rescue personnel** Wash off with warm water and soap.
- Additional information about first aid** General information:
Take off contaminated clothing and shoes immediately. Wash contaminated clothing before re-use.

5. FIRE-FIGHTING MEASURES

- Specific hazards** Possibility of generating hazardous reactions during a fire due to the presence of F and CN groups.
- Suitable extinguishing media** The product itself does not burn. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. ACCIDENTAL RELEASE MEASURES

- Measures for spill management** Wipe up with absorbent material (e.g. cloth, fleece). Use mechanical handling equipment. Keep in suitable, closed containers for disposal.
- Personal precautions** Use personal protective equipment. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
- Additional information** Environmental precautions:
Dam up. Should not be released into the environment. Do not flush into surface water or sanitary sewer system.

7. HANDLING AND STORAGE

- Preventive handling precautions** Use working solution immediately - Do not store. Never mix concentrates directly. Never return unused material to storage receptacle.
- Storage** Requirements for storage rooms and vessels:
Store in original container. Store in a cool and shaded area. Keep in a well-ventilated place.
Storage compability:
Maximum storage temperature: 50°C
Minimum storage temperature: -32°C
Keep container tightly closed.
- Additional information about handling and storage** Advice on protection against fire and explosion:
No special handling advice required.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational	CAS-No.	EC-No.	Exposure Limit	Ceiling	Short term	Country

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

exposure limits		Values		Limit Value	exposure limit	
		ppm / mg/m3	ppm / mg/m3		ppm / mg/m3	ppm / mg/m3
107-21-1	-	10	25	-	-	20 50 SE

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

Safety gloves Impervious gloves.

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

Limitation of exposure Exposure limits (EH40):
CAS-No: 107-21-1: Ethane-1,2-diol, vapour
TWA 8 h: 20 ml/m3 (52 mg/m3)
STEL 15 min: 40 ml/m3 (104 mg/m3)
Origin: WEL

Protective glasses Safety glasses with side-shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

Viscosity at 20°C (kinematic): 4 mm²/s

Form Liquid

Colour Amber

pH at 20°C: 7,0-9,0

Boiling point/range 100°C

Melting point/range -35°C

Water solubility Completely miscible

Density at 20°C: 1,11 g/cm³

10. STABILITY AND REACTIVITY

Hazardous decomposition products No decomposition if stored and applied as directed.

Additional information Stable under recommended storage conditions.

11. TOXICOLOGICAL INFORMATION

Long term effect 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.

Sensitisation Irritant effects

Additional information about toxicity Corrosive and irritant effects:
Irritant effects.

12. ECOLOGICAL INFORMATION



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12. ECOLOGICAL INFORMATION

- Bioaccumulation** Does not bioaccumulate. Ecological injuries are not known or expected under normal use.
- Additional instructions** 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.
- Additional information** Eco toxicity:
Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
Discharge into the environment must be avoided.

13. WASTE MANAGEMENT

- Waste management** 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.
- Waste code (EWC)** The following Waste Codes are only suggestions: 07 06 99

14. TRANSPORT INFORMATION

Road/railroad (ADR-RID)

- Additional information ADR-RID** Not dangerous goods - full transport.

Lake (IMDG)???

- Additional information IMDG** Not dangerous goods - full transport.

Flight (DGR)

- Additional information IATA (ICAO)** Not dangerous goods - full transport.

Dangerous goods No

15. REGULATIONS

Mothercare No

Childcare No

- Additional existing regulations** Classification according to European directive on classification of hazardous preparations 1999/45/EC.
Hazardous component(s) to be indicated on label: Mono Ethylene glycol.
Water contaminating class: 1 - slightly water contaminating.

16. OTHER INFORMATION

- MSDS reviewed** 2009-02-20 (1)
- Additional information** Transferred from original MSDS 25/2/08 to iChemistry 20/01/09.