

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

Trade name PrestoGuard AB-30 ENG
Article type Fire extinguishing agent
Supplier Presto
Street address Värmbolsvägen 2
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 R-phrase: Harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS no	Concentration	Danger symbols	R -phrase(s)
ethanediol,ethylene glycol	107-21-1	40 - 45%	Xn	22

4. FIRST AID MEASURES

First aid in case of ingestion If swallowed, call a medical doctor immediately. Only induce vomiting at the instruction of a medical doctor. Never give anything by mouth to an unconscious person.

First aid in case of skin contact Immediately wash skin with soap and large amounts of water. Remove contaminated clothing. If signs/symptoms occur, call a medical doctor. Wash contaminated clothing before reuse and dispose of contaminated shoes.

First aid in case of inhalation If signs or symptoms occur, remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

First aid in case of eye contact Immediately flush eyes with large amounts of water. Get immediate medical attention.

Information to rescue personnel Wash off with warm water and soap.

Additional information about first aid General information: If symptoms persist, call a physician.

5. FIRE-FIGHTING MEASURES

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- Specific hazards** At high temperature: concentrate gives toxic products. Thermal decomposition of usage concentrations does not present a hazard.
- Suitable extinguishing media** Product itself is fire extinguishing agent.

6. ACCIDENTAL RELEASE MEASURES

- Measures for spill management** Ventilate area.
- Decontamination instruction** Contain spill. Cover with absorbent material. Collect spilled material. Clean up residue with water. Place in a closed container.
- Personal precautions** Observe precautions from other sections.

7. HANDLING AND STORAGE

- Storage** Keep container in a well-ventilated area. Store away from areas where product may come into contact with food or pharmaceuticals. Store at temperatures above -32°C and below 50°C. Keep container closed when not in use. Store and cover in a shade.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Respiratory protection** Avoid inhalation of airborne material. Select one of the following respirators based on airborne concentration of contaminants and in accordance with national regulations: Half-mask organic vapour respirator with dust/mist prefilter.
- Safety gloves** Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: Butyl rubber.
- Protective glasses** Avoid eye contact with vapour, spray, or mist. Wear vented goggles.
- Technical precaution measures** If exhaust ventilation is not adequate, use appropriate respiratory protection. Provide ventilation adequate to control vapour concentrations below recommended exposure limits and/or control spray or mist.
- Limitation of exposure** CAS No. 107-21-1 Substance: Ethane-1,2-diol, vapour Category: TWA (8 h) 20 ml/m³, 52 mg/m³ Origin: WEL Category: STEL (15 min.) 40 ml/m³, 104 mg/m³ Origin: WEL
- Additional information** Avoid skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Density** 1,11 g/cm³
- Colour** Blue
- Melting point/range** -35°C
- Viscosity** at 20°C: Kinematic: 4 mm²/s
- pH** at 20°C: 7,0-9,0
- Form** Liquid
- Boiling point/range** 100°C

10. STABILITY AND REACTIVITY

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Conditions to avoid	Stable under recommended storage conditions.
Hazardous decomposition products	No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Long term effect	Allergic Skin Reaction: signs/symptoms can include redness, swelling, blistering, and itching.
Sensitisation	Irritant effects.
Additional information about toxicity	Corrosive and irritant effects: Irritant effects.

12. ECOLOGICAL INFORMATION

Decay/transformation	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
Additional instructions	Discharge into the environment must be avoided.

13. WASTE MANAGEMENT

Waste management	Avoid discharge to a wastewater treatment system. Reduce discharge rate if foaming occurs. Larger quantities may adversely affect biological wastewater treatment systems. Incinerate large quantities in an industrial or commercial incinerator. Since regulations vary, consult applicable regulations or authorities before disposal.
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14. TRANSPORT INFORMATION

Additional transport information	Not dangerous goods - full transport.
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15. REGULATIONS



Xn
Harmful

Danger class	Xn - Harmful
Hazard phrases	R22 - Harmful if swallowed.
Additional existing regulations	Hazardous components to be indicated on label: Ethanediol, ethylene glycol. National regulations: 1-slightly water contaminating.

16. OTHER INFORMATION

MSDS reviewed	2009-01-26 (1)
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16. OTHER INFORMATION

Manufacturer's notes "Regulatory Information: Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity."

Additional information From original MSDS to iChemistry 26/01/09