



SAFETY DATA SHEET

Hydrofilm 1R ENG

Issued 2009-01-25

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

Trade name Hydrofilm 1R ENG
Article type Fire Fighting Foam Concentrate for extinguishers
Supplier Presto
Street address Värmbolsvägen 2
Box 315
Box 315
641 23 Katrineholm
Sverige
Telephone 0150-76000
Fax 0150-76030

2. HAZARDOUS PROPERTIES

Information about dangerous properties Health hazards: Slightly irritating to eyes.
Physical and chemical hazards: Not flammable.
Specific risks: This product is not classified hazardous under European directive 1999/45/EC.

Safety phrases S20/21 - When using, do not eat, drink or smoke.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS no	EC-No.	Concentration	Danger symbols	R -phrase(s)	List
2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether	112-34-5	203-961-6	<2%	Xi	36	-
Substance additional information	Alkyl sulfate 0-1 % Xi/R36/38 Fluoro surfactant 0-1 % F/R10					

4. FIRST AID MEASURES

First aid in case of ingestion Wash mouth with water. Seek medical advice should pain occur and persist.
First aid in case of skin contact Wash off with water. Remove contaminated soaked clothing and rinse with water.
First aid in case of eye contact Flush eye with plenty of water for at least 10 minutes.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Not applicable. Fire fighting foam concentrate.
Special protective equipment for fire-fighters Standard equipment against fires.

6. ACCIDENTAL RELEASE MEASURES

Measures for spill management Pump into clearly identified unbreakable containers.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** Wear gloves and goggles.
- Type of decontaminating agent** Wash thoroughly with water.
- Additional information** Environmental precautions: Absorb onto sand or other absorbent material and shovel into container for disposal.
Disposal: Incineration according to local regulations.

7. HANDLING AND STORAGE

- Preventive handling precautions** Standard equipment against chemicals.
- Storage** Storage area should contain accidental spill.
Sealed containers in normal cool warehouse.
- Suitable packaging material** Polyethylene, Polypropylene, stainless steel.
Product in bulk: stainless steel, polyester or mild steel protected with epoxy or polyurethane coating. Tanks in PE, PP.
- Unsuitable packaging material** Mild steel, iron, aluminium, copper and its alloys.
- Additional information about handling and storage** Recommended sealing: Viton, Kevlar, Teflon.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits	CAS-No.	EC-No.	Exposure Limit Values		Ceiling Limit Value		Short term exposure limit		Country
			ppm / mg/m3		ppm / mg/m3		ppm / mg/m3		
	112-34-5	-	15	100	-	-	30	200	SE

- Safety gloves** Impermeable gloves (PVC) if continual handling.
- Protective clothing** Working clothes.
- Limitation of exposure** DO NOT eat, drink or smoke while handling the product. Clean hands after working.
- Protective glasses** Goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Water solubility** Complete
- Density** 1008 +/- 20 kg/m3
- Form** Liquid
- Colour** Pink
- Odour** Synthetic smell
- pH** 8,0 +/- 1,0
- Boiling point/range** + 100 °C
- Oxidizing properties** None
- Additional information** Freezing point: -3°C
Flammability: None

10. STABILITY AND REACTIVITY

Hazardous decomposition products Stable under normal conditions of use and storage.

Additional information Hazardous reactions: None expected in standard use.

11. TOXICOLOGICAL INFORMATION

Toxicity in case of skin contact Not irritant at the recommended concentration of use.

Toxicity in case of eye contact Not irritant at the recommended concentration of use.

Acute effects None to be expected.

12. ECOLOGICAL INFORMATION

Bioaccumulation PFCs are suspected to bio accumulate in living beings.

Decay/transformation Biodegradation data (10 volume):
COD = 1425 mg O₂ / l (foam solution at 10%).
Biodegradation rate:
BOD₁₂ = 1010 mg O₂ / l NF T 90.103 1
Biodegradability after 12 days is up to 75%.
BIO HYDROFILM 1RS is expected to be readily biodegradable
PerFluorinated Organic Compounds persist in environment.

Additional information Aquatic life toxicity:
Not expected to be toxic after dilution.

13. WASTE MANAGEMENT

Waste management Product:
Do not discharge in the environment
Small amounts of product do not interfere with water treatment facilities. If released in sewage system, it is recommended to control the flow rate in order to avoid any foaming excess. Big quantities should be treated as chemical waste according to local regulations.
Packaging:
Do not discharge in the environment. Rinse with plenty of water. Incineration or an agreed method for package recycling.

14. TRANSPORT INFORMATION

Road/railroad (ADR-RID)

Additional information ADR-RID Non hazardous.

Lake (IMDG)???

Additional information IMDG Non hazardous.

Flight (DGR)



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14. TRANSPORT INFORMATION

Additional information IATA (ICAO) Non hazardous.

Dangerous goods No

15. REGULATIONS

Mothercare No

Childcare No

Additional existing regulations CE regulations: Not classified.

16. OTHER INFORMATION

MSDS reviewed 2009-01-25 (1)

Manufacturer's notes Edition date:
08/12/2008

Additional information references Rules of drafting:
This Material Safety Data Sheet complies with ISO 11014-1. It is redacted in accordance to European directive 2001/58/EC.

Additional information The MSDS was transferred to iChemistry 25/01/2009.