



Material Safety Data Sheet

Extinguishing agent Forrex AB-50

Revision 1:2	Valid from 12-11-14	Page 1 av 5
File SDS Forrex AB-50 English		
Part number 57-1050-xx		

1 Identification of the chemical and responsible company

1.1 Product identification

Description	Variant / packing	Part number
Forrex AB-50.....	Can w. 25 litre.....	57-1050-25
Forrex AB-50.....	Barrel w. 200 litre.....	57-1050-02
Forrex AB-50.....	Container w. 1000 litre.....	57-1050-00

Field of application
For use in Fire Extinguishers and Fire Suppression Systems.

1.2. Company Information

Distributor:

Name:..... Dafo Brand AB
Address: Box 683
135 26 Tyresö
Sweden
Tel.: +46 (0)8 506 405 00
Fax: +46 (0)8 506 405 99
E-mail: info@dafo.se

1.3. Emergency number

Contact local poison information centre

2 Hazardous identification

The product is not considered to be harmful to health, environment or flammable according to applicable legislation

3 Information about chemical composition

Name of ingredient	EU-no.	CAS-no.	Cons. weight %	Health class
Alkylpolyglycoside.....	500-220-1.....	68515-73-1.....	1-4,5 %.....	Xi, R41 Eye dam. 1; H318
1.2-Ethandiol, Ethylen glycol.....	.203-473-3.....	107-21-1.....	20-40 %.....	Xn, R2 Acute tox. 4; H302

4 First aid measures



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4.1. Description of first aid measures

General.....	Keep the patient calm, warm and provide fresh air. Do not attempt to give fluids or induce vomiting if the patient is unconscious. Get medical attention if any discomfort continues.
Eye contact.....	Remove Contact lenses, flush eyes wide open immediately with a soft flow of body temperature water for at least 15 minutes. Get medical attention if any discomfort continues.
Skin contact.....	Remove contaminated clothing as well as wristwatch etc. Wash skin thoroughly with soap and water. Use skin cream to replace loss of natural skin fat. Get medical attention if any discomfort continues.
Inhalation	Fresh air and rest. Read items under “General”. Get medical attention if any discomfort continues.
Ingestion	Immediately rinse mouth with water and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

5 Fire fighting measures

The product itself mixed with water is a fire fighting agent.

Special hazardsThe agent should be removed from equipment sensible for corrosion after the fire fighting operation.

Not suitable methods:The agent should normally not be used on electrical equipment.

6 Accidental release measures

Personnel..... Provide good ventilation, keep unauthorized persons away. Do not breathe mists, aerosols. Avoid contact with eyes, skin and clothing. Use necessary protective aid/clothing. Waste agent can make the surface slippery.

Environmental..... Seal off the spill area with absorbing materials to avoid spreading of release to water or water treatment systems.

Clean-up..... Absorb with dry, inert material such as sand or soil etc. Flush area clean with lots of water. Contained material should be stored in sealed, marked containers and should be treated as indicated under clause 13 “Disposal Considerations”.

7 Handling and storage

Handling precautions . The product is a premix and should be used as supplied. Avoid skin and eye contact. Use personal protective equipment according to section 8.

Storage precautions.... Product should be stored in sealed, original containers. Do not store in heat or sunlight. Recommended storage time is 10 years.

8 Exposure controls and personal protection

Occupational Exposure Limit

Material	Identity	Value	Norm år
1,2-Etandiol	CAS-nr.: . 107-21-1	NGV: 10 ppm	2011
	EG-nr.: ... 203-473-3	NGV: 25 mg/m ³	
	Indexnr.: . 603-027-00-1	KTV: 20 ppm	
		KTV: 50 mg/m ³	

Pure ethylene glycol (vapour):...Occupational Exposure Standard (OES)

Long term exposure limit (8 hour time weighted average): 60 mg/cu.m

Short term exposure limit (10 minutes): 125 mg/cu.m

Preventive measures:Keep good hygiene. Remove contaminated cloths. Do not keep towels etc saturated with the product in pockets. Emergency eye flush and emergency shower should be installed at the working area. Use only in well ventilated areas.

Respiratory protection:At repeated exposure, use gas filter A/P2 (organic gases and dust). Use breathing apparatus or fresh air masks when working in areas with low oxygen.

Eye protection:Use approved safety goggles or face shield. (e.g. BS 2092).

Hand protection:Protective gloves must be used if there is a risk of direct contact or splash. (e.g. Butyl rubber EVOH, Neoprene).

9 Physical and chemical properties

Type of material..... clear red liquid	Flash point..... >98° C
Smell..... organic odour	Density ca 1,11-1,13 kg/litre
Colour clear red	Solubility..... 100%
Freeze point..... <-50° C	pH..... 6,5-8,5%
Boiling point 100° C	

10 Stability and reactivity

Conditions to avoid:..... Stock temperature below -50° C and over +60° C.

Hazardous decompositions prod.:. Irritating fumes from carbon monoxide.(CO, CO₂, NO_x)

Stability:..... The product is stable under normal storage and use.

Reacts with:..... Oxidizing materials.

11 Toxicological information

Toxikologiska data från ämnen

Material..... Alkylpolyglykosid

LD50 oral..... Value: > 5000 mg/kg
 Animal test species: Rat

LD50 dermal..... Value: > 5000 mg/kg
 Test animal: Rabbit

Eye contact:..... Vapours or spill into the eyes can cause irritation, redness, pain and discomfort.

Skin contact: Prolonged and repeated contact may cause irritation and dry skin.

Inhalation: Inhalation of hazardous amounts is unlikely.

Ingestion: Low oral risk when used as intended. Can give some irritation in the mouth, throat and stomach. Nausea and vomiting can occur.

Sensitisation:..... No known chronic or acute health risks.

Carcinogenicity:..... No known chronic or acute health risks.

Mutagenicity: No known chronic or acute health risks.

Reproductive:..... No known chronic or acute health risks.

12 Ecological information

Biodegradability: The product is biodegradable.

Bioaccumulation: The product is not expected to bio accumulate due to metabolism and excretion.

13 Disposal considerations

Waste should be disposed via local authority regulation.

EWC waste code: EWC 16 WASTES NOT OTHERWISE SPECIFIED IN THE LIST. National waste code: 1603, National wastegroup 160306.

14 Transport information

Not classified as Dangerous or hazardous for transport under UN, IMO, ADR/RID and IATA/ICAO – regulations. Handle the storage cans with care.

15 Regulatory information

References (legislation/directives)

MSDS and classification in accordance with CLP (1272/2008/EC and 453/2010/EC, appendix 1) and KIFS 2005:7

16 Other information

INFORMATION SOURCES

Datasheet from the suppliers

Work protection agency information pamphlet about protective equipment

Work protection agency information pamphlet about gloves

“What you Need to know when you use protective breathing equipment” (Information, order number.: 539, Work protection agency)

Sax,N.I. and R.J. Lewis,Sr: Dangerous Properties of Industrial Materials, Seventh Edition, Volumes 1 to



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3 (1991).

DISCLAIMER: This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements. The product should not be used for purposes other than fire fighting. The user is responsible for ensuring that requirements of relevant legislation are complied with.