

# Fatseal 50%

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

### 1.1. Product identifier

**Trade name**

Fatseal 50%

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

**Relevant identified uses**

Fire extinguishing agent.

**Not suitable for use in**

Consumer use.

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

**Supplier**

Presto Brandsäkerhet AB

Street address

Värmbolsvägen 2, Box 315

64123 KATRINEHOLM

Sweden

Telephone

010-45 20 000

Email

info@presto.se

### 1.4. Emergency telephone number

NHS 111

**Available outside office hours**

Yes

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

**Classification**

Eye irritation, hazard category 2

**Hazard statements**

H319

**Description**

For the complete meaning of H phrases mentioned in this section, see section 16.

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## 2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

### Hazard pictograms



### Signal word

Warning

### Hazard statements

H319 Causes serious eye irritation.

### Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

## 2.3. Other hazards

The product does not meet the PBT and vPvB criteria of REACH regulation, Annex XIII.

The product does not contain any substances with endocrine disrupting properties.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Note
2-(2-butoxyethoxy) ethanol	112-34-5 203-961-6 - -	2.5 - 5%	Eye Irrit. 2	H319 - -	-
Fluorotenside	- - - -	0.5 - 2.5%	-	- - -	-
Alkyl ether Sulphate	- - - -	≥0.5 - <1.5%	Skin Irrit. 2, Eye Dam. 1	H315, H318 - -	-

### Substance additional information

For the complete meaning of H phrases mentioned in this section, see section 16.

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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### Inhalation

Move the injured person into fresh air immediately. Call a physician if symptoms occur.  
When inhaling vapours/smoke or in case of excessive dust exposure: Rinse nose, mouth and throat with water.

#### Skin contact

Remove contaminated clothing. Wash thoroughly with water, if necessary consult a doctor.

#### Eye contact

Flush eyes thoroughly with water for several minutes. If pain or eye irritation persists, consult an ophthalmologist.

#### Ingestion

Rinse mouth, nose and throat with water. Seek medical attention.

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

#### Eye contact

Irritation of the eyes.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Not applicable: The product is an extinguisher.

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

No information available.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

Protective measures are taken with regard to other material at the place of the fire.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear gloves and safety goggles when handling. Avoid contact with the skin and eyes. Do not inhale.

### 6.2. Environmental precautions

Prevent discharges to watercourses, waste water or the ground.

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

Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. Absorb with sawdust, sand or some other inert absorbent material and collect in sealed containers.

## 6.4. Reference to other sections

For personal protection see section 8 and for disposal see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Preventive handling precautions

Treat the substance as potentially harmful to health. Avoid spills. Avoid contact with skin and eyes.

#### General hygiene

When using, do not eat, drink or smoke.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs. Store at room temperature.

Suitable material:

Fiberglass-reinforced polyester

PE (polyethylene)

High quality steel

### 7.3. Specific end use(s)

See section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits

EU occupational exposure limit value, 2-(2-Butoxyethoxy)ethanol, CAS 112-34-5:

67.5 mg/m<sup>3</sup>; 10 ppm, long-term exposure limit value (LTEL)

101.2 mg/m<sup>3</sup>; 15 ppm, short-term exposure limit value (STEL)

COMMISSION DIRECTIVE 2006/15/EC establishing a second list of indicative occupational exposure limit values

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National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m <sup>3</sup>	Short-term exposure limit ppm / mg/m <sup>3</sup>	Source	Remark	Year
2-(2-Butoxyethoxy)ethanol	112-34-5 203-961-6	10 67.5	15 101.2	EH40/2005 Workplace exposure limits	-	2002

## 8.2. Exposure controls

**Appropriate engineering controls**

Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye / face protection**

Use safety glasses with side-shields if there is a risk of direct contact or splashes.

**Hand protection**

Protective gloves complying with EN 374.

Suitable material: PVC

**Other skin protection**

Wear suitable protective clothing.

**Respiratory protection**

In the event of insufficient ventilation, wear suitable breathing protection.

**Environmental exposure controls**

Avoid discharge into drains or watercourses or onto the ground.

## SECTION 9: Physical and chemical properties

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

**Physical state**

Liquid

**Colour**

Yellow

**Odour**

Synthetic

**Melting point / freezing point**

-5 °C

**Boiling point or initial boiling point and boiling range**

100 °C

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## **Flammability**

The product is not flammable.

## **Lower and upper explosion limit**

No data available

## **Flash point**

No data available

## **Auto-ignition temperature**

No data available

## **Decomposition temperature**

No data available

## **pH**

7 - 9

## **Kinematic viscosity**

No data available

## **Solubility**

The product is soluble in water.

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

No data available

## **Vapour pressure**

No data available

## **Density and/or relative density**

1030+/-20 kg/m<sup>3</sup> (20 °C)

## **Relative vapour density**

No data available

## **Particle characteristics**

Not applicable

### **9.2. Other information**

No further relevant information available.

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

Non-reactive.

### **10.2. Chemical stability**

Stable under normal conditions.

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**10.3. Possibility of hazardous reactions**

No dangerous reactions known.

**10.4. Conditions to avoid**

None known.

**10.5. Incompatible materials**

None known.

**10.6. Hazardous decomposition products**

None under normal conditions.

## SECTION 11: Toxicological information

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

Based on available data, the classification criteria are not met.

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Duration of exposure	Test animals
2-(2-butoxyethoxy)ethanol 112-34-5 / 203-961-6	LD50	2700 mg/kg	Dermal	24h	Rabbit
2-(2-butoxyethoxy)ethanol 112-34-5 / 203-961-6	LD50	5660 mg/kg	Oral	24h	Rat

**Skin corrosion/irritation**

Light irritation can occur during prolonged or repeated contact. Based on available data, the classification criteria are not met.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation**

Based on the available data, the classification criteria are not met.

**Germ cell mutagenicity**

Based on the available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

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**Reproductive toxicity**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**11.2. Information on other hazards**

**Endocrine disrupting properties**

The product does not contain any known or suspected endocrine disruptors.

**Other information**

No information available.

## SECTION 12: Ecological information

**12.1. Toxicity**

**Toxicity**

The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

**Acute fish toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
2-(2-butoxyethoxy)ethanol 112-34-5 / 203-961-6	LC50	1300 mg/l	96h	Lepomis macrochirus
2-(2-butoxyethoxy)ethanol 112-34-5 / 203-961-6	LC50	> 100 mg/l	48h	Fish

**Acute algae toxicity**

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
2-(2-butoxyethoxy)ethanol	IC50	> 100 mg/l	72h	Algae



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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
112-34-5 / 203-961-6				

### Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species
2-(2-butoxyethoxy)ethanol 112-34-5 / 203-961-6	EC50	> 100 mg/l	72h	Daphnia magna (Big water flea)

#### 12.2. Persistence and degradability

Perfluorinated hydrocarbons are persistent. Part of the components is biodegradable.

#### 12.3. Bioaccumulative potential

Contains components with the potential to bioaccumulate.

#### 12.4. Mobility in soil

##### Mobility

The product is miscible with water and is therefore mobile in soil and water.

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

PBT/vPvB assessment is not made.

#### 12.6. Endocrine disrupting properties

Not applicable.

#### 12.7. Other adverse effects

##### Other adverse effects

The environmental impact is highly concentration dependent and is therefore most harmful in the local environment. In the case of large emissions, the remote environment is affected

## SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal considerations

The product and its packaging are classified as hazardous waste. Packaging that is completely emptied can be left for recycling. Avoid discharges into drains, onto the ground and in aquatic environments. Dispose of any product, residue or packing material according to national and local regulations.

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Waste code	Description
07 01 03*	organic halogenated solvents, washing liquids and mother liquors

Please note - an asterisk (\*) next to a code denotes that it is HAZARDOUS WASTE.

## Other

### Waste management

The waste code is a recommendation. Waste codes should be assigned by the user based on the application for which the product was used.

## SECTION 14: Transport information

### 14.1. UN number

Not dangerous goods according to transport regulations.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

#### Label

Not applicable.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Maritime transport in bulk according to IMO instruments

Not intended for bulk transport.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulations

Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Directive 2008/98/EC of the European Parliament and of the Council on waste.

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## **National regulations**

Control of Substances Hazardous to Health 2002 (COSHH).  
EH40/2005 Workplace exposure limits (Fourth edition).

## **15.2. Chemical safety assessment**

No chemical safety assessment has been performed.

## **SECTION 16: Other information**

### **Abbreviations**

PBT: Persistent, Bioaccumulative and Toxic.  
vPvB: very Persistent and very Bioaccumulative.  
LD50: Lethal dose for 50 % of the test population (lethal median dose).  
LC50: Deadly concentration for 50 % of a test population.  
EC50: The concentration of a substance that affects 50 % of a population over a given period of time.  
IC50: The half maximal inhibitory concentration.

### **Evaluation methods for classification**

Classification is based on the additivity approach according to Regulation (EC) No 1272/2008 (CLP).

### **Phrase meaning**

Eye Irrit. 2 - Eye irritation, hazard category 2  
Skin Irrit. 2 - Skin irritation, hazard category 2  
Eye Dam. 1 - Serious eye damage, hazard category 1  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.