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chemical specialties

## Safety data sheet CERFOBOL R/75

Safety Data Sheet dated 22/11/2013, version 2

Printing date: 18/7/2014



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

#### 1.1. Product identifier

Trade name: CERFOBOL R/75  
MSDS code: F000806  
Chemical description: Emulsion of organic polymer.

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

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

Supplier:

LAMBERTI S.p.A. - Via Piave 18 - 21041 Albizzate (VA)

Tel.: +39 0331 715 111 - Fax.: +39 0331 775 577 - e-mail: hse@lamberti.com

Competent person responsible for the safety data sheet:

hse@lamberti.com


#### 1.4. Emergency telephone number

LAMBERTI S.p.A. - Tel. : +39 0331 715 111 - 24h

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

 Danger, Eye Dam. 1, Causes serious eye damage.

Directive criteria, 67/548/CE, 99/45/EC and following amendments thereof:

Properties / Symbols:

Xi Irritant

R Phrases:

R41 Risk of serious damage to eyes.

Adverse physicochemical, human health and environmental effects:

No other hazards

#### 2.2. Label elements

Symbols:



Danger

Hazard statements:

H318 Causes serious eye damage.

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.

P310 Immediately call a POISON CENTER or doctor/physician.

Special Provisions:

None

Contents

Ethoxylated fatty alcohol

Special provisions according to Annex XVII of REACH and subsequent amendments:

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None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

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**SECTION 3: Composition/information on ingredients**

3.1. Substances

N.A.


3.2. Mixtures

Hazardous components within the meaning of EEC directive 67/548 and CLP regulation and related classification:

10% - 15% Ethoxylated fatty alcohol

CAS: 106232-83-1, EC: 932-186-2 INDEX:N.D. REACH:N.D.

Xn,Xi; R22-41


 3.1/4/Oral Acute Tox. 4 H302


 3.3/1 Eye Dam. 1 H318

0.25% - 0.5% potassium hydroxide; caustic potash

Index number: 019-002-00-8, CAS: 1310-58-3, EC: 215-181-3 REACH:N.D.

Xn,C; R22-35

 3.2/1A Skin Corr. 1A H314

 3.1/4/Oral Acute Tox. 4 H302

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**SECTION 4: First aid measures**

4.1. Description of first aid measures

In case of skin contact:

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. Seek immediately medical advice.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

Not known.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

Not known.

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**SECTION 5: Firefighting measures**

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- 5.1. Extinguishing media  
Suitable extinguishing media:  
Water.  
Carbon dioxide (CO<sub>2</sub>).  
Extinguishing media which must not be used for safety reasons:  
Not known.
- 5.2. Special hazards arising from the substance or mixture  
Do not inhale explosion and combustion gases.
- 5.3. Advice for firefighters  
Use suitable breathing apparatus .  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

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#### **SECTION 6: Accidental release measures**

- 6.1. Personal precautions, protective equipment and emergency procedures  
Wear personal protection equipment.  
Remove persons to safety.  
See protective measures under point 7 and 8.
- 6.2. Environmental precautions  
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.  
Retain contaminated washing water and dispose it.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
- 6.3. Methods and material for containment and cleaning up  
Suitable material for taking up: absorbing material, organic, sand  
Wash with plenty of water.
- 6.4. Reference to other sections  
See also section 8 and 13

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#### **SECTION 7: Handling and storage**

- 7.1. Precautions for safe handling  
Avoid contact with skin and eyes, inhalation of vapours and mists.  
Don't use empty container before they have been cleaned.  
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.  
Contaminated clothing should be changed before entering eating areas.  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities  
Keep away from food, drink and feed.  
Instructions as regards storage premises:  
Adequate ventilation in working area.  
Packaging suggested:  
Plastic drums.
- 7.3. Specific end use(s)  
None in particular

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#### **SECTION 8: Exposure controls/personal protection**

- 8.1. Control parameters  
TLV TWA (ACGIH) - 5 mg/m<sup>3</sup> concerning the mists  
potassium hydroxide; caustic potash  
US - ACGIH (TLV) - STEL: C 2 mg/m<sup>3</sup>  
UK - EH40/2005 (WEL) - STEL(15 min.): 2 mg/m<sup>3</sup>  
FR - VLEP - STEL(15 min.): 2 mg/m<sup>3</sup>





**DNEL Exposure Limit Values**

potassium hydroxide; caustic potash

Worker Industry: 1 mg/m<sup>3</sup> - Worker Professional: 1 mg/m<sup>3</sup> - General population: 1 mg/m<sup>3</sup> -

Exposure: Long Term, local effects Human Inhalation

**PNEC Exposure Limit Values**

N.D.

**8.2. Exposure controls**

**Eye protection:**

Use close fitting safety goggles. (ref. EN 166, EN 140, EN175).

**Protection for skin:**

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton. (ref. EN 340).

**Protection for hands:**

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber. (ref. EN 374).

**Respiratory protection:**

Use adequate protective respiratory equipment. (ref. EN 136, EN 140, EN 141, EN 143, EN 149, EN 405).

**Thermal Hazards:**

None

**Environmental exposure controls:**

None

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**SECTION 9: Physical and chemical properties**

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

Appearance and colour:	Liquid
Odour:	Characteristic
Odour threshold:	N.D.
pH:	ca. 11 (as supplied)
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	> 100 °C
Solid/gas flammability:	N.D.
Upper/lower flammability or explosive limits:	N.D.
Vapour density:	N.D.
Flash point:	> 100 °C.
Evaporation rate:	N.D.
Vapour pressure:	N.D.
Relative density:	N.D.
Solubility in water:	Emulsifiable..
Solubility in oil:	N.D.
Partition coefficient (n-octanol/water):	N.D.
Auto-ignition temperature:	N.D.
Decomposition temperature:	N.D.
Viscosity:	N.D.
Explosive properties:	N.D.
Oxidizing properties:	N.D.

**9.2. Other information**

Miscibility:	N.D.
Fat Solubility:	N.D.
Conductivity:	N.D.
Substance Groups relevant properties	N.D.

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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Stable under normal conditions

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- 10.2. Chemical stability  
Stable under normal conditions
- 10.3. Possibility of hazardous reactions  
Stable under normal conditions
- 10.4. Conditions to avoid  
Stable under normal conditions.
- 10.5. Incompatible materials  
Strong oxidizers.
- 10.6. Hazardous decomposition products  
Not known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Toxicological information of the mixture:

- a) acute toxicity:  
LD50 Oral Rat > 2000 mg/kg Calculated data.
- b) skin corrosion/irritation:  
Irritation : repeated and prolonged contacts may cause slight irritation.
- c) serious eye damage/irritation:  
Irritation : Causes serious eye damage.

Toxicological information of the main substances found in the mixture:

potassium hydroxide; caustic potash

- a) acute toxicity:  
Toxicity Oral Rat LD50= 333 mg/kg Literature data.
- b) skin corrosion/irritation:  
Corrosion Skin : Corrosive. Literature data.
- c) serious eye damage/irritation:  
Corrosion Eye Rabbit : Corrosive. - Duration: 24h Literature data.
- d) respiratory or skin sensitisation:  
Skin Sensitization Guinea pig : Not sensitizing. - Duration: 24h Literature data.
- e) germ cell mutagenicity:  
Ames Test Salmonella Typhimurium : Not mutagenic. Literature data.

Other : N.D.

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered as N.D.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecological information of the mixture:

- a) Aquatic acute toxicity:  
Fish LC50 > 100 mg/l Calculated data.

Ecological information of the main substances found in the mixture:

potassium hydroxide; caustic potash

- a) Aquatic acute toxicity:  
Fish EC50 = 189 mg/l Literature data.





- 12.2. Persistence and degradability  
Ecological information of the mixture:  
N.D.  
Ecological information of the main substances found in the mixture:  
potassium hydroxide; caustic potash  
Biodegradability: Not applicable.
- 12.3. Bioaccumulative potential  
Ecological information of the mixture:  
N.D.  
Ecological information of the main substances found in the mixture:  
potassium hydroxide; caustic potash  
Bioaccumulation: Not available.
- 12.4. Mobility in soil  
Ecological information of the mixture:  
N.D.  
Ecological information of the main substances found in the mixture:  
potassium hydroxide; caustic potash  
Mobility in soil: Data not available.
- 12.5. Results of PBT and vPvB assessment  
vPvB Substances: None - PBT Substances: None
- 12.6. Other adverse effects  
None  
Use according to criteria of good industrial practice, avoiding product dispersion in the environment.

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### SECTION 13: Disposal considerations

- 13.1. Waste treatment methods  
If possible recover the product, otherwise dispose of in authorized landfill or incinerate in accordance with local regulation.

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### SECTION 14: Transport information

- 14.1. UN number  
N.A.
- 14.2. UN proper shipping name  
Proper Shipping Name: N.A.
- 14.3. Transport hazard class(es)  
Road (ADR): N.A.  
Air (ICAO/IATA): N.A.  
Sea (IMO/IMDG): N.A.
- 14.4. Packing group  
ADR-Packing Group: N.A.
- 14.5. Environmental hazards  
Environmental Pollutant: No
- 14.6. Special precautions for user
- 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code  
N.D.

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### SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
Dir. 67/548/EEC (Classification, packaging and labelling of dangerous substances). Dir. 99/45/EEC (Classification, packaging and labelling of dangerous preparations). Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH).





For non-EU Countries, the Material Safety Data Sheet it is prepared following the main principles of Globally Harmonized System of Classification and Labelling of Chemicals (GHS) which are adopted worldwide.

Refer to other local regulations that may be relevant (i.e. : sanitary control, waste treatment etc.)

15.2. Chemical safety assessment  
No

## SECTION 16: Other information

N.A. = Not Applicable

N.D. = No Data available

Full text of phrases referred to in Section 3:

R22 Harmful if swallowed.

R35 Causes severe burns.

R41 Risk of serious damage to eyes.

H318 Causes serious eye damage.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

This safety data sheet has been completely updated in compliance to Regulation 453/2010/EU.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

TOXNET - Databases on toxicology, hazardous chemicals, environmental health, and toxic releases;

NIOSH - Registry of toxic effects of chemical substances (1983) - Occupational Health

Guidelines for Chemical Hazards (1995) - Pocket Guide to Chemical Hazards (on line)

European Chemical Bureau - ESIS: European chemical Substances Information System;

CESIO - Classification and labelling of anionic, nonionic surfactants (January 2000).

M.Sittig-Handbook of toxic and Hazardous Chemicals and Carcinogens- III Ed.

E.R. Plunkett - Handbook of Industrial Toxicology - III Ed. 1991.

Samson Chem. Pub.-Chemical Safety Sheet working safely with hazardous chemical.

SAX'S Dangerous Properties of Industrial Materials. VIII (1993)

ACGIH "2012 TLVs and BEIs".

ILV "1998/24/EC Directive and subsequent addition".

ACGIH "2013 TLVs and BEIs".

ILV "1998/24/EC Directive and subsequent addition".

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization"

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**Safety data sheet**  
**CERFOBOL R/75**

IMDG:	(ICAO). International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
PNEC:	Predicted No Effect Concentration.
REACH:	Registration Evaluation and Authorization of Chemicals.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
SVHC:	Candidate List of Substances of Very High Concerns.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
WGK:	German Water Hazard Class.

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