

Safety data sheet

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PT BASF Indonesia Safety data sheet

Date / Revised: 19.03.2008

Product: Emulan® LVA

Version: 1.0

(30218794/SDS_GEN_ID/EN)

Date of print 05.02.2010

1. Substance/preparation and company identification

Emulan® LVA

Use: Raw material for the chemical-technical industry

Company:

PT BASF Indonesia

Plaza GRI, 10th & 11th Floor Jl. H.R. Rasuna Said Blok X-2 No.1

Jakarta Selatan 12950, P.O. Box 2431 Gbr., Jakarta 10024, INDONESIA

Telephone: +62 21 526-2481 /-2505

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Emergency information:

Telephone: +62 21 543-71979

2. Composition/information on ingredients

Chemical nature

longchain alcohol
(C 10)

ethoxylated, in water

Hazardous ingredients

Alcohol (C 10) ethoxylated. polymer; Starting materials listed in EINECS

Content (W/W): >= 80 % - <= 90 %

Hazard symbol(s): Xn

R-phrases: 22, 41

The wording of the hazard symbols and R-phrases is specified in chapter 16 if dangerous ingredients are mentioned.

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3. Hazard identification

Harmful if swallowed.
Risk of serious damage to eyes.

4. First-aid measures

General advice:
Immediately remove contaminated clothing.

If inhaled:
If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

On skin contact:
Wash thoroughly with soap and water.

On contact with eyes:
Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:
Rinse mouth immediately and then drink plenty of water, seek medical attention.

Note to physician:
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting measures

Suitable extinguishing media:
water, dry extinguishing media, foam

Specific hazards:
harmful vapours
Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:
Wear a self-contained breathing apparatus.

Further information:
The degree of risk is governed by the burning substance and the fire conditions.
Contaminated extinguishing water must be disposed of in accordance with official regulations.

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6. Accidental release measures

Personal precautions:

Use personal protective clothing.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

7. Handling and storage

Handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

Take precautionary measures against static discharges.

Storage

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

Protect from temperatures above: 70 °C

8. Exposure controls and personal protection

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Chemical resistant protective gloves

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):
nitrile rubber (NBR) - 0.4 mm coating thickness

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

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Eye protection:

Tightly fitting safety goggles (cage goggles) (e.g. EN 166) and face shield.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is required additionally to the stated personal protection equipment.

9. Physical and chemical properties

Form:	liquid	
Colour:	colourless to yellowish	
Odour:	product specific	
pH value:	approx. 7 (50 g/l, 23 °C)	
solidification temperature:	< 5 °C	(DIN ISO 2207)
Flash point:	> 100 °C	(DIN 51758)
Ignition temperature:	> 200 °C	(DIN 51794)
Density:	approx. 1.02 g/cm ³ (20 °C)	(DIN 51757)
Solubility in water:	completely soluble	
Miscibility with water:	miscible in all proportions	
Viscosity, dynamic:	approx. 90 mPa.s (23 °C)	(DIN EN 12092)

10. Stability and reactivity

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.

Hazardous decomposition products:

No hazardous decomposition products known.

11. Toxicological information

Acute toxicity

LD50 rat (oral): 200 - 2,000 mg/kg

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Irritation

Primary skin irritation rabbit: Irritant. (OECD Guideline 404)

Primary irritations of the mucous membrane rabbit: Risk of serious damage to eyes. (OECD Guideline 405)

Other relevant toxicity information

The product has not been tested. The statement has been derived from the properties of the individual components.

12. Ecological information

Ecotoxicity

Aquatic invertebrates:

EC50 (48 h) 10 - 100 mg/l, *Daphnia magna*

Analogous: Assessment derived from products with similar chemical character.

Aquatic plants:

EC50 (72 h) 10 - 100 mg/l, *Scenedesmus subspicatus*

Analogous: Assessment derived from products with similar chemical character.

Persistence and degradability

Elimination information:

>= 90 % Bismuth-active substance (mod. OECD 303A)

Analogous: Assessment derived from products with similar chemical character.

> 60 % CO₂ formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) Readily biodegradable.

Analogous: Assessment derived from products with similar chemical character.

Additional information

Other ecotoxicological advice:

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations. Do not release untreated into natural waters.

13. Disposal considerations

Must be dumped or incinerated in accordance with local regulations.

Contaminated packaging:

Uncontaminated packaging can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport information

Domestic transport:

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Not classified as a dangerous good under transport regulations

Sea transport
IMDG

Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory information

Regulations of the European union (Labelling)

Hazard symbol(s)

Xn Harmful.

R-phrases(s)

R22 Harmful if swallowed.
R41 Risk of serious damage to eyes.

S-phrases(s)

S39 Wear eye/face protection.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

This classification is based on the current CESIO recommendations.

It may deviate from a possible classification deriving solely from the data of the Toxicology and Ecology sections.

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

Hazard determining component(s) for labelling: FATTY ALCOHOL ETHOXYLATE

Other regulations

16. Other information

Full text of hazard symbols and R-phrases if mentioned as hazardous components in chapter 2:

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22	Harmful if swallowed.
41	Risk of serious damage to eyes.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.