

Safety Data Sheet



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Alpacon 300

1. Identification of the substance/preparation and of the company/undertaking

Trade Name:

ALPACON 300

Supplier:

Alfa Laval Tumba AB

Hans Stahles väg

Product Type:

Oily water pre-treater

SE-147 80 Tumba

Sweden

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2. Hazard identification

The product contains butylglychol which causes irritation to skin. Butylglychol also causes a certain risk of acute toxicity if it is inhaled and/or swallowed. s

3. Composition/information on ingredients

Components	Weight-%	EC no	CAS No	Symbol	EEC-classification
Triethanolamine 99%	15 – 25	203-049-8	102-71-6	-	-
Butylglychol	1 - 5	203-905-0	111-76-2	Xn	R20/21/22, R36/38
Polymer	2.5 – 7.5	-	-	-	-

See section 16 for explanations to R-phrases.

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4. First aid measures

First aid – Eyes	Rinse with plenty of tepid water for several minutes. If symptoms persist, obtain medical attention.
First aid – Skin	Remove contaminated clothing immediately. Rinse affected area with water and continue through washing with soap and water.
First aid – Ingestion	Rinse mouth, nose and throat with water. Drink big amounts of water. Do not induce vomiting. Obtain medical attention.
First aid – Inhalation	Move to fresh air. If symptoms persist, obtain medical attention.

5. Fire-fighting measures

Extinguishing media	All common extinguishing media are suitable. The product itself is not flammable.
Fire fighting	Move the container from the scene of fire, if that can be done without risks. Use water to cool the container.
Special hazards of product	In case of fire, CO _x can be set free after water evaporation.
Protective equipment for fire fighting	Use breathing protection.

6. Accidental release measures

Personal precautions	Wear personal protective equipment according to point 8.
Environmental precautions	Prevent large spills from reaching sewage, wells and watercourses.
Spillage- small	Absorb spills with sand, earth or other inert material. Collect and remove for destruction.
Spillage- larger	Large spillage contact rescue service.

7. Handling and storage

Handling	Do not mix with other chemicals. Avoid contact with eyes and skin. Use only in well ventilated areas.
Storage	Store in a closed container.

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8. Exposure control/personal protection

Exposure limits (AFS 2000:3, Sweden)		<u>Lt. Exp. 8 hrs</u>	<u>St. Exp. 15 min</u>
	Triethanolamine	5 mg/m ³	10 mg/m ³
	Butylglychol	50 mg/m ³	100 mg/m ³
Respiratory protection	Use only in well ventilated areas. In case of insufficient ventilation, wear suitable respiratory equipment		
Hand protection	Protective gloves made of butyl rubber.		
Eye protection	Safety goggles.		
Body protection	Normal work wear.		
Other information:	Wash hands before meal and do not eat and drink when product is handled.		

9. Physical and chemical properties

Physical state	Liquid
Colour	Colourless
Odour	Weak
pH at 20 °C (68 °F)	11
Density at 20 °C (68 °F)	1.035 g/ml
Viscosity at 20 °C (68 °F)	32 cP
°brix	26.6
Cloud point during heating	38 °C (100 °F)

10. Stability and reactivity

Stability	The product is stable under normal conditions, but it decomposes at high temperatures.
Hazardous decomposition products	None known under normal conditions. In case of fire the product might emit NOx and COx.
Materials to avoid	Strong acids and strong oxidising agents.

11. Toxicological information

Butylglychol	Acute toxicity LD50 rat: 500-2000mg/kg Acute toxicity LC50 4h rat 2-20 mg/l
Triethanolamine	Acute toxicity LD50 oral male/female rat: 8,57/4,92 ml/kg Acute percutaneous toxicity rabbit 24 h 16ml/kg

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The product has not sensitiveness effects and is not mutagenic.
The product is irritant to skin and eyes.

12. Ecological information

Butylglychol	Biological degradable >70% LC50 96 h fish >100 mg/l EC/LC 50 24h daphnia >100 mg/l EC/LC 72 h algae >100 mg/l
Trietanolamin	Biological degradable >96% LC50 96 h fish (lepomis macrochirus) 7900mg/l LC50 24 h fish (gold fish) >5000mg/l LC50 48 h fish (guldid) > 1000mg/l EC50 24 h daphnia 1390 mg/l EC50 48h daphnia >2500mg/l NOEC (21 d) daphnia 16mg/l IC50 72h algae 216 mg/l

The product itself is not considered as dangerous for the environment. Note that this does not exclude that bigger discharge and frequently smaller discharge does not have negative effects on the environment.

13. Disposal considerations

Disposal of product:	Avoid discharge to the environment State and local disposal regulations may differ from federal disposal regulations. Always dispose in accordance with federal, state and local requirements.
Disposal of containers:	Containers should be reused or disposed of by landfill or incineration as appropriate.

14. Transport information

Not regulated according to present transport legislation.

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15. Regulatory information

The product is not classified according to present legislation

Symbol(s) None

R-phrases None

S-phrases
S24/25 Avoid contact with skin and eyes.
S61 Avoid release to the environment. Refer to special instructions / safety data sheets

16. Other information

Explanations to R-phrases in section 2
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R36/38 Irritating to eyes and skin.

Important changes have been made in section: 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13 and 15.

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