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ALPACON 205

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

Trade Name:	Supplier:
ALPACON 205	Alfa Laval Tumba AB Hans Stahles väg
Product Type:	SE-147 80 Tumba
Demulsifier	Sweden
	Tel: +46 8 5306 5000
	Fax: +46 8 5306 5259
Emergency number: +46 8 33 70 43	

2. Composition /information on ingredients

Components	Weight-%	CAS No	EINEC No	Symbol	EEC-classification
Polymer	1 - 5				
Polymer (alkoxylated EDA)	10 – 20				
Alcholethoxylate	1 – 5	68439-46-3	-	Xn	R22, R41
1-hydroxyethyl-2-alkylimidazoline	1 – 5	95-38-5	202-414-9	C, N	R34, R22, R50/53
Butylglychol	1 – 5	111-76-2	203-905-0	Xn	R20/21/22, R36/38

See section 16 for explanations to R-phrases.

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3. Hazards identification

Main hazards	Irritating to eyes. In concentrated form the product is toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. If used according to specifications the surfactants toxic for aquatic organisms are oil soluble and should therefore not be present in the separated water phase.
Health effects – Eyes	Irritating to eyes. Note that butylglycol may cause damage to the liver and kidney if large quantities are swallowed.
Health effects – Skin	Persistent contact can lead to irritation.

4. First-aid measurements

First aid – Eyes	Rinse with plenty of temperate water (15-20°C) for at least 5 minutes. If symptoms persist, obtain medical attention.
First aid – Skin	Wash off with plenty of soap and water.
First aid – Ingestion	Rinse the mouth with plenty of water and drink at least 1-2 glasses of water. Do not induce vomiting, seek medical advice.
First aid – Inhalation	Move to fresh air.

5. Fire- fighting measures

Extinguishing media	All extinguishing media are suitable.
Special hazards of product	In case of fire, CO _x and NO _x can be set free after water evaporation.
Protective equipment for fire fighting	Use breathing protection.

6. Accidental release measures

Personal precautions	Wear suitable goggles and gloves. Avoid contact with eyes and skin. Pay attention to advice in section 8.
Environmental precautions	Prevent spills from reaching sewage, wells and watercourses.
Spillage	Absorb spills with sand, earth or other inert material. Collect and remove for destruction.

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7. Handling and storage

Handling	Do not mix with other chemicals. When dilution and neutralizing of the product shall be performed – always start with the water and then add the product gently under stirring. Avoid contact with eyes and skin
Storage	Store in a closed container. Avoid ignition and sparkles. Shall not be stored with acids or oxidizing agents.

8. Exposure control / personal protection

Exposure limits (AFS 2005;17 Sweden)	2-butoxyethanol cas no111-76-2: Lt Exp. 8hrs; 50 mg/m ³ . St Exp. 15min; 100 mg/m ³ .
Respiratory protection	Appropriate ventilation.
Hand protection	Protective gloves.
Eye protection	Safety goggles.
Body protection	Normal work wear that cover arms and legs.
Other	Good ventilation. Don't eat and drink when the product is used. Wash the hands before meal and after finished work.

9. Physical and chemical properties

Physical state	Clear liquid
Colour	Yellow
Odour	Specific
pH at 20 °C (68 °F)	9-11
Density at 20 °C (68 °F)	1.010 g/ml
Viscosity at 20 °C (68 °F)	200 - 250 cP
Flash point	>200 °C

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10. Stability and reactivity

Stability	The product is stable under normal conditions, but it decomposes at high temperatures.
Hazardous decomposition products	None known
Materials to avoid	Strong acids and strong oxidising agents.

11. Toxicological information

The product is considered as non-toxic.

Oral	The product may irritate mouth and throat.
Inhalation	Steam from an overheating product may be harmful and irritate the respiratory.

Alcholethoxylate	Acute oral toxicity	rat	LC50 200-2000 mg/kg
	Dermal	rabbit	LD50 >2000mg/kg
1-hydroxyethyl-2-alkylimidazoline	Acute oral toxicity	rat	LD50 1265 mg/kg
	intravenous	mouse	LD50 88mg/kg
Butylglychol	Acute oral toxicity	rat	LD50 500-2000mg/kg
	inhalation	rat	LC50 2,2 mg/l (4 h)
	dermal	rat	LD50 2270 mg/kg
	dermal	rabbit	LD 50 220 mg/kg

12. Ecological information

The concentrated product should not be allowed to enter drains or watercourses.

Environmental data 1-hydroxyethyl-2-alkylimidazoline CasNo. 95-38-5	Acute toxicity:
	Fish general (Pisces) LC50 0.3 mg/l.
	Daphnia magna EC50 0.37 mg/l.
	Bacteria EC50 26 mg/l.
	Not readily biodegradable.

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Alkoholetoxilat

Acut
toxicity

Fish

LC₅₀ 96 h 1-10 mg/l

Daphnia
magna

EC₅₀ 48h 1-10mg/l

Algae

EC₅₀ 72h 1-10 mg/l

Skeletonon
costatum
(algae)

EC₅₀ 1-10 mg/l

Toxic for aquatic organisms.

Biological degradation >60% C=2 28 days, Modified Sturm Test (OECD 301B)

Primary degradation >90%

Etylenglykolmonobutyleter

Acut
toxicity

Fish

LC₅₀ 96 >100 mg/l

Daphnia
magna

EC₅₀ 24h > 100mg/l

Algae

EC₅₀ 5 dagar > 100 mg/l

No bioaccumulation is expected.

Biological degradation >70% after 28 days according to test OECD 301 E.

13. Disposal considerations

Disposal of product:

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.

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14. Transport information

ADR/RID:

UN-No: UN 3082
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (1-hydroxyethyl-2-alkylimidazoline)
Class: 9
Packing group: III
EmS No: F-A, S-F
Classification code: M6

IMDG-coden:

UN-No: UN 3082
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (1-hydroxyethyl-2-alkylimidazoline)
Class: 9
Packing group: III
EmS No: F-A, S-F
Marine Pollutant: Yes

DGR:

UN-No: UN 3082
Proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (1-hydroxyethyl-2-alkylimidazoline)
Class: 9
Packing group: III
According to existing regulations: ADR/ADR-S SRVFS 2006:7
RID/RID-S SRVFS 2006:8
IMDG-code Amdt 33-06: DGR 48th Edition 2007

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15. Regulatory information

Symbol(s)

Xi, N



Irritant



Dangerous to
the environment

R-phrases

R36/38 Irritating to eyes and skin.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

S37/39 Wear suitable gloves and eye/face protection.
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.
R22 Harmful if swallowed.
R34 Causes burns.
R36/38 Irritating to eyes and skin.
R41 Risk of serious damage to eyes.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

See also product label for product applications.

Important changes have been made in this revision in section 2, 3, 4, 5, 7, 8, 9, 11, 12 and 15.

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