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ALPACON 215

1. Product and Company identification

Trade Name:	Supplier:
ALPACON 215	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 and Information on the Components

Components	Weight-%	EC No	CAS No	Symbol	EEC-classification
Polymer (alkoxylated EDA)	10 – 20	-	-	-	-
Polymer	5 - 10	-	-	-	-
Alcholethoxylate	1 – 5	-	68439-46-3	Xn	R22, R41
1-hydroxyethyl-2-alkylimidazoline	5 – 10	202-414-9	95-38-5	C,N	R34, R22, R50/53
Butylglychol	5 – 10	203-905-0	111-76-2	Xn	R20/21/22, R36/38
2-Ethylhexaneacid	1 – 5	205-743-6	149-57-5	Xn	R63
Monoethanolamine	1 – 5	205-483-3	141-43-5	Xn	R20, R36/37/38

See section 16 for explanation to R-phrases.

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3. Hazard Identification

Environmental effects	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.
Health effects – Skin	Persistent contact can lead to irritation.
Health effects – Ingestion	Butylglycol may cause damage to the liver and kidney. 2-Ethylhexanoic acid is toxic to the reproduction (classification 3), this substance may also cause damage to the foetus.
Health effects – Inhalation	Irritation of the respiratory tract is possible.

4. First Aid Measurements

First aid – Eyes	Rinse with plenty of water for at least 5 minutes. If symptoms persist, obtain medical attention.
First aid – Skin	Wash off with plenty of soap and water. Take off clothes that have been contaminated with the product.
First aid – Ingestion	Rinse the mouth with plenty of water and drink at least 1-2 glasses of water. Do not induce vomiting.
First aid – Inhalation	Move to fresh air.

5. Fire Fighting Measurements

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.
Flammability	The product is self is not inflammable.

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. Shall not be stored with acids or oxidizing agents.

8. Exposure Control / Personal Protection

Exposure limits (AFS 2000:3, Sweden)		<u>Lt. Exp. 8 hrs</u>	<u>St. Exp. 15 min</u>
	Monoethanolamine	8 mg/m ³	15 mg/m ³
	Butylglychol	50 mg/m ³	100 mg/m ³
Respiratory protection	Appropriate ventilation. Access to emergency shower and eye shower.		
Hand protection	Protective gloves.		
Eye protection	Safety goggles.		
Body protection	Protective clothing that cover legs and arms.		

9. Physical and Chemical Properties

Physical state	Clear liquid
Colour	Yellow
Odour	Specific
pH at 20 °C (68 °F)	11-13
Density at 20 °C (68 °F)	1010 kg/m ³
Viscosity at 20 °C (68 °F)	200 - 250 cP
Flash point	>200 °C

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 oxidizing agents.

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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
1-hydroxyethyl-2-alkylimidazoline	Acute oral toxicity	rat	LD50 1265 mg/kg
Butylglychol	Acute oral toxicity	rat	LD50 500-2000mg/kg
		rat	LC50 2-20 mg/l (4 h)

12. Eco-toxicological Information

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

1-hydroxyethyl-2-alkylimidazoline	Acute toxicity	Fish (Pisces)	LC ₅₀ 0.3 mg/l
		Daphnia magna	EC ₅₀ 0.37 mg/l
		Bacteria	EC ₅₀ 26 mg/l
Not readily degradable			
Butylglychol	Acute toxicity	Fish (96 h)	LC ₅₀ > 100 mg/l
		Daphnia magna (24h)	EC ₅₀ >100 mg/l
		Algae (5 days)	EC ₅₀ >100 mg/l
Degradable >70% after 28 days.			
Alcholethoxylate	Acute toxicity	Fish (96 h)	LC ₅₀ > 1-10 mg/l
		Daphnia magna (48h)	EC ₅₀ >1-10 mg/l
		Algae (5 days)	EC ₅₀ >1-10mg/l
Toxic to water organisms Degradability >60% CO ₂ , 28 days Primary degradability >90%			

13. Disposal

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

Symbols

Xi , N



Dangerous to the Environment



irritant

R-phrases

R36/38 Irritating to eyes and skin.
R51/53 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

Explanation 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.
R36/37/38 Irritating to eyes, respiratory 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.
R63 Possible risk of harm to the unborn child

Note the label for application and use of the product.

Important changes have been made in section: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14 and 15.

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