



Document number 57963701-ENG-04	First issued 2006-07-19	Revised date 2010-11-30	Revision 3	Issued by Jeanette Hasseson	Page 1 of 5
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Alpacon Multicip Super

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

Trade Name:	Supplier:	Manufacturer:
Alpacon Multi-CIP Super	ALFA LAVAL Tumba AB Hans Stahles väg SE-147 80 Tumba	INVEKTA GREEN AB Sågvägen 9 SE-840 50 Gällö
e-mail	sds.question@alfalaval.com	
Product Type:		
Cleaning agent for removal of fuel- and lubeoil, rust and limestone deposits.	Sweden	Sweden
DK PR No.	2111127	
	Tel: +46 (0)8 53 06 50 00 Fax: +46 (0)8 - 53 06 52 59	Tel: +46 (0)693-661210 Fax: +46 (0)693 - 20 649
Emergency number: +46 (0)8-33 70 43 open 24 h		

2. Hazard identification

Health	The product in concentrated form may cause serious eye damage.
Environment	The product it self is not classified as toxic to the environment. But since the product is acidic it may locally be injurious to aquatic and terrestrial organisms.

3. Composition/information on the ingredients

See section 16 for explanation to R-phrases.

Hazardous ingredient	Weight-%	CAS No	EC nr	EEC symbols	Classification
Fruit acids	15-30	-	-	Xi	R36
Alcohol ethoxylate	15-30	-	-	Xn	R22-41
Natriumlauryletsulfate	1-10	13150-00-0	236-091-0	Xi	R36-38
Bio Gen Active	10-30	92129-93-6	295-893-9	-	-

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4. First-aid measures

First aid – Skin contact	Rinse with water.
First aid – Eye contact	Rinse with plenty of tepid water and seek for medical advice.
First aid – Ingestion	Rinse mouth with plenty of water. If the product has been swallowed drink 1-2 glasses of water or milk. Do not induce vomiting. Seek medical advice if irritation persists in mouth or throat.

5. Fire-fighting measures

Extinguishing media	All normal fire-fighting agents can be used.
Special hazards of product	The product itself does not form any hazardous substances when heated.
Protective equipment for fire fighting	Firefighters should wear self-contained breathing apparatus

6. Accidental release measures

Personal precautions	See section 8.
Environmental precautions	Do not allow concentrated product to enter drainage system, surface or ground water Neutralise the product with Na ₂ CO ₃ or other diluted alkali before entering drainage system.
Spillage – small	Flush area with water
Spillage – large	Remove with liquid-absorbing material (sand, peat, sawdust), wash away residue with plenty of water

7. Handling and storage

Storage	No specific precautions are necessary and there are no known risks with normal storage. For optimum performance the product should be stirred or homogenised in some other way before use.
Handling	Use safety goggles or other face visor.
Shelf-life	Expire date for unopened package is 3 years from manufacture date. Opened package should be used within 3 months from opening day.

8. Exposure controls/personal protection

Eye protection	Use safety goggles, face visor
Skin protection	Safety gloves of nitrile or viton are recommended
Respiratory protection	Not required
Other	Provide facilities for rinsing eyes. Protective clothing is recommended.

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9. Physical and chemical properties

Appearance	Liquid.
Odour	Slightly acid
Melting point	~0 °C
Color	Translucent yellow.
Solubility	Water-soluble.
Boiling point	Approx. 100°C.
pH	1,7 ± 0.3.
Density	1.1 kg/l.

10. Stability and reactivity

Reactivity	Reacts with alkalis.
Stability	The product is stable under normal circumstances. No dangerous decomposition products are known.

11. Toxicological information

The product in concentrated form may cause serious eye damage and the low pH can give irritation on mucous membranes if the product for example is swallowed.

Pure fruit acids are according to valid regulation classified as irritant in spite of low pH. Since tests of the product shown that the product is not corrosive to skin or eyes the product hence is classified as irritant.

Fruit acids	LD50 (oral) in rats > 3000 mg/kg.
Ethoxylated alcohol	LD50 (oral) in rats >200-2000 mg/kg.
Natriumlauryletersulfate	LD50 Peroral rats 4000 mg/kg.

12. Ecological information

The product it self is not classified as dangerous for the environment.
All active substances in the product are easily biogradable and will not bioaccumulate according to OECD standard tests.

BIO GEN ACTIVE	LC50 96h Fish >1000 mg/l. LC50 48h Daphnia >300 mg/l. EC50 72h Algae >300 mg/l.
Ethoxylated alcohol	LC 50 96 h Fish 1-10mg/l. EC 50 48 h Daphnia 1-10 mg/l. EC 50 72 h Algae 1-10 mg/l.
Natriumlauryletersulfate	LC 50 96 h Fish 1-10 mg/l. EC 50 48 h Daphnia 1-10 mg/l. EC 50 72 h Algae 10-100 mg/l.

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13. Disposal considerations

The environmental impact resulting from the use of this product depends on the type of dirt/coating and whether the product is used as instructed. Depending on what has been cleaned, the used cleaning bath may be classified as environmentally hazardous waste. Such waste must be managed with in accordance with official requirements for the type of waste in question. The toxicological properties of the used cleaning fluid also depend on what has been cleaned.

Due to the content of components classified as R41, risk of serious damage to eyes, the product (in concentrated form) is classified as dangerous waste.

Recommended dosage for use is not classified as dangerous waste.

The products low pH-value can be neutralised with sodium carbonate, calcium carbonate or sodium hydroxide in accordance with local rules. Take care to dose these substances directly into the product to neutralise. Dilute with water first.

Invekta Green AB is registered with the REPA producer responsibility scheme for recycling used packaging in Sweden.

14. Transport information

No transport restrictions apply.

15. Regulatory information

Symbol

Xi



Irritating

Pure fruit acids are according to valid regulation classified as irritant in spite of low pH. Since tests of the product shown that the product is not corrosive to skin or eyes the product hence is classified as irritant..

Risk Phrases

R41 Risk of serious damage to eyes.

Safety Phrases

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

16. Other information

Full text of R-phrases appearing in section 3

R22 Harmful if swallowed
R41 Risk of serious damage to eyes
R36 Irritating to eyes
R38 Irritating to skin

Important changes have been made in section. 8, 11 and 15

The amendment of CAS No of BIO GEN ACTIVE gives a better description of the substances composition.

However the production, composition and efficiency of BIO GEN ACTIVE have not been changed.

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LIMITATION OF LIABILITY

This document is only intended to be used as guidance as regards the risks of which we are aware that are associated with the product. Every individual who works with the product or in close proximity of it must receive suitable training. Individuals who come into contact with the product must be capable of using their own judgement as regards conditions or methods for handling, storing and using the product. Alfa Laval is not liable for demands, losses or damage of any kind that arise from flaws or deficiencies in this document or from using, handling, storing or disposing of the product unless it can be proven that Alfa Laval has acted in a grossly negligent manner. **Beyond what has been agreed upon and specified in writing with Alfa Laval in the individual case, Alfa Laval makes no promises or assumes any liability, including but not limited to implicit guarantees regarding marketability or appropriateness in terms of both the information provided in this document and the product to which the information refers**