

SAFETY DATA SHEET

Lakeland AMA LF 40

Revision 15
Date 31st October 2010

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Section 1 Substance Identification

LAKELAND AMA LF 40

This product is an amphoteric surfactant for use in blended cleaning formulations. The Intended use is industrial and institutional markets

Manufacturers Details

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Section 2 Identification of Hazards

According to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. (CLP)

Label elements and precautionary statement:

Pictogram: None

Signal Word:

None Hazardous

Hazard statement:

Precautionary Statements (prevention):

Precautionary Statements (response):

Precautionary Statement (storage):

Precautionary Statement (Disposal):

Classification of the substance and mixture:

Possible Hazards (according to directive 67/548EWG or 1999/45/EC)(CHIP)

Physical / Chemical hazards : None Hazardous

Environmental hazards: None Hazardous

Human health hazards: None Hazardous

Section 3 Composition/information on Ingredients

Name	EINECS	CAS	Content	CLP classification	CHIP Classification
Sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)- β -alaninate	305-318-6	94441-92-6	40	None hazardous	None Hazardous

Full text for all R phrases are displayed in section 16

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Section 4 First Aid Measures

Inhalation : Not applicable, this product is a high boiling liquid.
Skin Contact : Remove contaminated clothing, wash with copious amounts of soap and water.
Eye Contact : Flush eyes with copious amounts of water for at least 15 minutes. Obtain medical attention if any soreness arises.
Ingestion : If swallowed wash out mouth with water provided person is conscious. Do not induce vomiting drink water and seek medical attention immediately.

Section 5 Fire Fighting Measures

This product is not a fire hazard (water based product). Keep cool with water spray.
Suitable Extinguishing Media: Water spray, dry powder, foam or carbon dioxide.

Section 6 Accidental Release Measures

Personal Precautions: Avoid contact with skin and eyes (see section 8). Spills may prove slippery.
Environmental Precautions: Prevent from entering water course.
Methods for Clean up: For large spills contain spillage with absorbent inert material such as sand, sawdust or earth, remove and dispose of.

Section 7 Handling and Storage

HANDLING: Wear appropriate personal protective equipment.
STORAGE: Store away from moisture sensitive materials and protect from frost.

Section 8 Exposure Controls and personal Protection

Exposure limits: No exposure limits have been established.
Engineering control: Provide eyewash station and shower facilities near work place.

When working with this product personal protective equipment is specified as follows:-

Respiratory Protection: Not applicable.

Hand Protection:  such as PVC or nitrile.

Eye Protection: 

Skin Protection: 

Environmental Exposure: This product should not pose a risk.

Section 9 Physical and Chemical Properties

FORM: Liquid
COLOUR: Colourless to yellow
ODOUR: Faint
pH: 8.0 to 10.0
BOILING POINT: >100°C
MELTING POINT: <-10°C
SOLUBILITY(WATER): Infinitely soluble
SOLUBILITY(OTHER): Soluble in most polar solvents
RELATIVE DENSITY: 1.085 typical (20°C)
VISCOSITY(cps/20°C): 30 typical

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Section 10 Stability and Reactivity

Product is stable at room temperature.

Hazardous Reactions: Will react with moisture sensitive materials.

Hazardous Decomposition Products: None known.

Section 11 Toxicological Information

Acute Toxicity: Oral LD50 have shown AMA LF 40 to be practically non-toxic, having an LD50 of > 5000 mg/kg.

Corrosivity/Irritation: Acute dermal irritation studies (OECD 404) have shown AMA LF 40 to be non-irritant

Ocular toxicity: Acute Eye Irritation/corrosion studies (OECD 405) have shown AMA LF40 to be Non-irritant to eyes.

Sensitisation(skin/respiratory): not tested

Repeated-dose toxicity: not tested

Mutagenicity: not tested

Carcinogenicity: not tested

Reproductive toxicity: not tested

Section 12 Ecological Information

AMA LF 40 should not cause harm to the environment.

Biodegradability: Readily Biodegradable (OECD 301B). 91% of theory after 28 days 10 to 60% achieved within 10 days
The product is non-foaming

Toxicity to rainbow trout (*Onchorhynchus mykiss*): The "No observed effect level" is >100 mg/l .

Toxicity to Algae (<i>Chlorella Vulgaris</i>):	EbC50	48h	>1000	mg/l	72h	>1000	mg/l
	ErC50	48h	>1000	mg/l	72h	>1000	mg/l

Toxicity to Daphnia Magna:	EC50	24h	>1000	mg/l	48h	>1000	mg/l
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Section 13 Disposal Considerations

Lakeland AMA LF 40 is not fish toxic or inhibitory to biodegradation and should therefore present no problems with disposal. Always consult local authorities before disposal.

Section 14 Transport Information

UN Packaging Group : Non-hazardous
IMDG Code/Class: Non-hazardous

Section 15 Regulatory Information

This surfactant complies with the biodegradation criteria as laid down in regulation (EC) No648/2004 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

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Section 16 Other information

S 36: Wear suitable protective clothing

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