

PRODUCT DATA SHEET

Witcamine 4130A

Applications

Wetting agent and biological enhancer for herbicides

Description

Alkoxylated Fatty Amine

Characteristics

Appearance at 25 ℃ Color, gardner Moisture, %	Typical	Specification amber liquid 5-8	Test Methods * Visual KL 31500
•		5 max	KL 510.00
pH at 1% water		8.5-10.5	KL 502.50
Pour point, ℃	10-12		KL 346.00
Flash point, (seta) ℃	>90		KL 343.80
Specific gravity at 25 ℃, g/ml	1.040		KL 321.90

Solubility At 10%

In water	soluble
In isopropanol	soluble
In kerosene	insoluble
In mineral oil	insoluble

EPA Classification

Exempt from tolerance under EPA regulation 40 CRF 180. 1001(d)

Precaution For Use

Avoid eyes and skin contact. During handling, wear rubber gloves and chemical splash goggles. In case of eye contact, flush with large amount of water for at least 15 minutes and get medical attention. In case of skin contact, wash with water. For more safety information, consult Witcamine 4130's MSDS.

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SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY **UNDERTAKING**

Trade name

WITCAMINE 4130A

Chemical description/Application Wetting agent

Supplier

Akzo Nobel Surface Chemistry Pte Ltd

41 Science Park Road

#03-03 The Gemini, Singapore Science Park II

SINGAPORE 117610 Tel: +65 6773 8488 Fax: +65 6773 8484

Emergency telephone

+ 31 570679211 (Fax. +31 570679801) Akzo Nobel Chemicals, Deventer, NL

COMPOSITION/INFORMATION ON INGREDIENTS

This product is to be considered as a substance according to EU-legislation.

Substance name

CAS number

Concentration

Risk phrases

Tallow alkylamine ethoxylate

61791-26-2

100 %

Symbols Xn,N

R-22, 41, 51/53

Other information

The substance is registered in EINECS. (polymer)

HAZARDS IDENTIFICATION

Harmful. Harmful if swallowed. Risk of serious damage to eyes. Dangerous for the environment. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

FIRST AID MEASURES

General

Get medical attention immediately.

Inhalation

Not relevant.

Skin

Rinse with water.

Eyes

Immediately rinse with water for several minutes. Hold eyelids apart. Get medical

attention immediately. Continue to rinse during transport.

Ingestion

Rinse nose, mouth and throat with water. Drink plenty of water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing media

Water spray, fog or mist, foam, powder, carbon dioxide.

Special fire fighting procedures

Note that fire-extinction with water may discharge substances dangerous to the

environment into sewage, wells and watercourses.

Unusual fire hazards

Non-flammable. If involved in a fire it will support combustion.

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Revision

0.0

ACCIDENTAL RELEASE MEASURES

Personal precautions

For personal protection see Section 8.

Environmental precautions

Do not contaminate drains or water courses.

Methods for cleaning up

Contain spill with inert material. Absorb in vermiculite, dry sand or earth. Place in

container for disposal according to local regulations.

7. HANDLING AND STORAGE

Handling

The usual precautions for handling chemicals should be observed.

Storage

No specific storage precautions noted.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

Comments

No exposure limits have been established.

Engineering controls

Provide eyewash station.

Personal protection

Hand

Use protective gloves made of: Neoprene or nitrile.

Eyes

Wear approved safety goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Liquid.

Colour

Amber.

Boiling point/range (°C)

> 100

Pressure (kPa)

760mmHg

Melting point/range (°C)

< 12

Flash point (°C)

> 100

Method

Autoignition temperature (°C)

> 150

Lower explosion limit (vol %)

Upper explosion limit (vol %)

Density (kg/m3)

~ 1055

Temperature (°C)

20

Viscosity

> 300 mPas

Temperature (°C)

20

pH value diluted solution

8,5-10,5

Conc. (%)

1

Solubility in water

Soluble.

Solubility in other solvents

Soluble in 2-propanol.

(These data are typical for the product and not a specification)

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10. STABILITY AND REACTIVITY

Stability

Normally stable.

Hazardous decomposition

products

Not known.

11. TOXICOLOGICAL INFORMATION

Toxicological data

Health effects

Respiratory

Inhalation of vapour may cause irritation of nose, throat and airway.

Skin

Defats the skin. Prolonged or frequent contact may give transient redness and skin

cracking.

Eyes

Severely irritating. Risk of serious damage to eye.

Ingestion

Moderate acute toxicity. May cause irritation to mucous membranes in mouth and throat.

Component

Tallow alkylamine ethoxylate

Toxicological data

LD50. oral Rat. 200-2000 mg/kg 1)

Toxicological information

1) The value is estimated from tests on similar products.

12. ECOLOGICAL INFORMATION

Ecotoxicological data

Ecotoxicology

The product contains substance(s) classified as toxic to aquatic organisms.

Degradation

The product is classified as not readily biodegradable.

Component

Tallow alkylamine ethoxylate

Ecotoxicological data

LC50 96 hours Oncorhynchus mykiss (fish) > 1-10 mg/l 1)

EC50 48 hours Daphnia magna > 1-10 mg/l 1)

Ecotoxicology

Toxic to aquatic organisms.

Degradation

Ultimately biodegradable. >70% DOC, Modified Zahn-Wellens Test (OECD 302B). <70% DOC, 28 days, Modified OECD Screening Test (OECD 301E). (The data are

estimated from tests on similar products.)

Partition coefficient (log

Pow)

Other information

1) The data are estimated from tests on similar products.

13. DISPOSAL CONSIDERATIONS

Disposal methods

Incineration is recommended. Dispose of in accordance with local authority

requirements.

Waste category

Hazardous waste in accordance with the Council Directive 91/689/EEC of 12 December

1991 on hazardous waste.

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14. TRANSPORT INFORMATION

Land transport

Sea transport

UN number

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IMDG class

EmS

IMDG packing group

Marine pollutant

No.

Air transport

UN number

-

Subsidary risk

IATA/ICAO class

-

Packing group

Other information

Not dangerous goods according to international transport regulations.

15. REGULATORY INFORMATION

Substance name

Tallow alkylamine ethoxylate

Symbols





Risk phrases

R-22 Harmful if swallowed.

R-41 Risk of serious damage to eye.

R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

Safety phrases

S-26 In case of contact with eyes, rinse immediately with plenty of water and seek

medical advice.

S-39 Wear eye/face protection.

S-57 Use appropriate containment to avoid environmental contamination.

EU directive

Safety Data Sheet according to EC-directive 2001/58/EC..

16. OTHER INFORMATION

This information only concerns the above mentioned product as supplied and may not be valid if used with other product(s) or in any process. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

Composed by

Barbro Dihné

Eva Cassel

Explanations to R-phrases in

section 2

R-22 Harmful if swallowed. R-41 Risk of serious damage to eye.R-51/53 Toxic to aquatic

organisms, may cause long-term adverse effects in the aquatic environment.

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