

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

ETHOMEEN C/25

Version 2 Revision Date 24.01.2012 Print Date 24.01.2012 GB / EN

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name : ETHOMEEN C/25

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Specific use(s): Dispersing agent

1.3 Details of the supplier of the safety data sheet

Company : Akzo Nobel Surface Chemistry AB
Stenunge Allé 3
SE 444 85 Stenungsund
Sweden

Telephone : +4630385000
Telefax : +4630384659
E-mail address : Regulatory.AffairsSE@akzonobel.com

1.4 Emergency telephone number

Emergency telephone number : +31 570679211 (Akzo Nobel Chemicals Deventer, NL) / -
Nödtelefon Sverige: KEMIAKUTEN 020-996000

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)
Acute toxicity, 4, H302
Serious eye damage, 1, H318

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification (67/548/EEC, 1999/45/EC)
Harmful, Xn, R22
Irritant, Xi, R41

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For the full text of the R-phrases mentioned in this Section, see Section 16.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)


Symbol(s)	:		
Signal word	:	Danger	
Hazard statements	:	H302 H318	Harmful if swallowed. Causes serious eye damage.
Precautionary statements	:	Prevention: P264 P270 P280 Response: P305 + P351 + P338 P308 P310	Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/ eye protection/ face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Immediately call a POISON CENTER or doctor/ physician.

Hazardous components which must be listed on the label:

Coco alkylamine ethoxylate

61791-14-8

Labelling according to EC Directives (1999/45/EC)

Symbol(s)	:		Xn Harmful
R-phrases	:	R22 R41	Harmful if swallowed. Risk of serious damage to eyes.
S-phrases	:	S26 S39 S60	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear eye/face protection. This material and its container must be disposed of as hazardous waste.

Hazardous components which must be listed on the label:

- Coco alkylamine ethoxylate

2.3 Other hazards

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No further data available.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Hazardous substance

Chemical Name	PBT vPvB OEL	CAS-No. EC-No. REACH No.	Classification (REGULATION (EC) No 1272/2008)	Classification (67/548/EEC)	Concentration [%]
Coco alkylamine ethoxylate		61791-14-8 500-152-2	Acute Tox. 4; H302 Eye Dam. 1; H318	Xn; R22-R41	100

For the full text of the H-Statements mentioned in this Section, see Section 16.

For the full text of the R-phrases mentioned in this Section, see Section 16.

Candidate List of Substances of Very High Concern for Authorisation

Candidate List of Substances : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
of Very High Concern for
Authorisation

4. FIRST AID MEASURES

4.1 Description of first aid measures

- General advice : Immediate medical attention is required.
Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
- If inhaled : If breathed in, move person into fresh air.
Consult a physician after significant exposure.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
Rinse immediately with plenty of water.
- In case of eye contact : Rinse with plenty of water.
Get medical attention immediately. Continue to rinse during transport.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.
Never give anything by mouth to an unconscious person.
Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.
- Risks : No information available.

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4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting / Specific hazards arising from the chemical : Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up / Methods for containment : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Additional advice : For personal protection see section 8.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end uses

Specific use(s) : No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering Controls

Effective exhaust ventilation system

Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hand protection : Neoprene
Nitrile rubber

Eye protection : Tightly fitting safety goggles

Skin and body protection : Protective suit

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Form : liquid

Colour : light brown

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Odour	: No information available.
Odour Threshold	: no data available
Safety data	
pH	: 9 - 11 at 1 % solution
Pour point	: 0 °C
Boiling point/boiling range	: > 100 °C
Flash point	: 100 - 199 °C
Ignition temperature	: > 150 °C
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	:
Relative vapour density	: no data available
Density	: 1,045 kg/m ³ at 20 °C
Relative density	: 1.045 at 20 °C
Solubility in other solvents	: Soluble in ethanol.
Water solubility	: soluble
Partition coefficient: n-octanol/water	: no data available
Autoignition temperature	: no data available
Decomposition temperature	:
Viscosity, dynamic	: 200 mPa.s at 20 °C
Viscosity, kinematic	: 191.388 mm ² /s at 20 °C
Explosive properties	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing. no data available

9.2 Other information

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

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10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Chemical stability and Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : None known.

10.6 Hazardous decomposition products

Hazardous decomposition products : No hazardous decomposition products are known.

11. TOXICOLOGICAL INFORMATION

Product information:

Hazard Summary

Inhalation : Inhalation of aerosols may cause irritation to mucous membranes.
Thermal decomposition can lead to release of irritating gases and vapours.

Skin : May cause skin irritation in susceptible persons.

Eyes : May cause irreversible eye damage.

Ingestion : Harmful if swallowed.
May cause irritation of the mucous membranes.

Toxicology Assessment

Further information : No further data available.

11.1 Information on toxicological effects

Toxicology data for the components:

Test result

Coco alkylamine ethoxylate

Acute oral toxicity : LD50: > 300 - 2,000 mg/kg
Species: rat
The value is estimated from tests on similar products.

Eye irritation : Risk of serious damage to eyes.

12. ECOLOGICAL INFORMATION

Product information:

Ecotoxicology Assessment

Additional ecological information : None known.

12.1 Toxicity

Components:

Ecotoxicology Assessment

Coco alkylamine ethoxylate

Results of PBT assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).
This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

Test result

Coco alkylamine ethoxylate

Toxicity to fish : LC50: 5.7 mg/l
Exposure time: 96 h
Species: Oncorhynchus mykiss (rainbow trout)

Toxicity to daphnia and other aquatic invertebrates. : EC50: 12.1 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)

Toxicity to bacteria : EC50: 480 mg/l
Exposure time: 16 h
Species: Pseudomonas putida

12.2 Persistence and degradability

Components:

Coco alkylamine ethoxylate

Biodegradability : Readily biodegradable.
>60% CO₂, 28 days, Modified Sturm Test (OECD 301B).

12.3 Bioaccumulative potential

Components:

Coco alkylamine ethoxylate

Bioaccumulation : Bioaccumulation is unlikely.

12.4 Mobility in soil

Components:

Coco alkylamine ethoxylate

Mobility : no data available

12.5 Results of PBT and vPvB assessment

Components:

Coco alkylamine ethoxylate

PBT and vPvB assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).
This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

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12.6 Other adverse effects

Components:

Coco alkylamine ethoxylate

Biochemical Oxygen Demand (BOD) : no data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Hazardous waste

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1 UN number

ADR : Not dangerous goods
RID : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods
ADN : Not dangerous goods

14.2 Proper shipping name

ADR : Not dangerous goods
RID : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods
ADN : Not dangerous goods

14.3 Transport hazard class

ADR : Not dangerous goods
RID : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods
ADN : Not dangerous goods

14.4 Packing group

ADR : Not dangerous goods
RID : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods
ADN : Not dangerous goods

14.5 Environmental hazards

ADR : Not dangerous goods
RID : Not dangerous goods
IMDG : Not dangerous goods
IATA : Not dangerous goods
ADN : Not dangerous goods

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14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Major Accident Hazard Legislation : 96/82/EC Update: 2003
Directive 96/82/EC does not apply

Water contaminating class (Germany) : WGK 2 water endangering

Notification status

CH INV : y (positive listing)
The mixture contains a polymer. The monomers for this polymer have been notified.

US.TSCA : y (positive listing)
All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption.

DSL : y (positive listing)
All components of this product are on the Canadian DSL list.

AICS : y (positive listing)
On the inventory, or in compliance with the inventory

NZIoC : y (positive listing)
On the inventory, or in compliance with the inventory

ENCS : y (positive listing)
On the inventory, or in compliance with the inventory

ISHL : y (positive listing)
On the inventory, or in compliance with the inventory

KECI : y (positive listing)
On the inventory, or in compliance with the inventory

PICCS : y (positive listing)
On the inventory, or in compliance with the inventory

IECSC : y (positive listing)
On the inventory, or in compliance with the inventory

For explanation of abbreviation see section 16.

Further information

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This product is to be considered as a substance according to EU-legislation.
This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 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.
This product is to be considered as a substance according to EU-legislation.

15.2 Chemical Safety Assessment

Coco alkylamine ethoxylate : A Chemical Safety Assessment is not required for this substance.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H302 Harmful if swallowed.
H318 Causes serious eye damage.

Full text of R-phrases referred to under sections 2 and 3

R22 Harmful if swallowed.
R41 Risk of serious damage to eyes.

Explanations for possible abbreviations mentioned in section 2

PBT : PBT: Persistent, bioaccumulative and toxic.
vPvB : vPvB: Very persistent and very bioaccumulative.
OEL : OEL: Occupational exposure limit.

Notification status explanation

CH INV Switzerland. New notified substances and declared preparations
US.TSCA United States TSCA Inventory
DSL Canadian Domestic Substances List (DSL)
AICS Australia Inventory of Chemical Substances (AICS)
NZIoC New Zealand. Inventory of Chemical Substances
ENCS Japan. ENCS - Existing and New Chemical Substances Inventory
ISHL Japan. ISHL - Inventory of Chemical Substances (METI)
KECI Korea. Korean Existing Chemicals Inventory (KECI)
PICCS Philippines Inventory of Chemicals and Chemical Substances (PICCS)
IECSC China. Inventory of Existing Chemical Substances in China (IECSC)

Further information

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