

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

ETHOMEEN O/12LC

Version 2.0

Print Date 2011/03/16

Revision Date 2011/03/16

MSDS code: MAAB017

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

1.1. Product identifier

Trade name : ETHOMEEN O/12LC
 Substance name : 2,2'-(Octadec-9-enylimino)bisethanol
 EC-No. : 246-807-3

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

Use of the Substance/Mixture : At this time we do not yet have information on identified uses. They will be included in this safety data sheet when available.

Recommended restrictions on use : At that time we do not yet have information on use restrictions. They will be included in this safety data sheet when available.

1.3. Details of the supplier of the safety data sheet

Company : Brenntag UK & Ireland
 Albion House, Rawdon Park
 GB LS19 7XX Leeds Yeadon
 Telephone : 0113 3879 200
 Telefax : 0113 3879 280
 E-mail address : msds@brenntag.co.uk

1.4. Emergency telephone number

Emergency telephone number : Emergency only telephone number (open 24 hours):
 01865 407333 (N.C.E.C. Culham)

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

REGULATION (EC) No 1272/2008			
Hazard class	Hazard category	Target Organs	Hazard statements
Acute toxicity	Category 4	---	H302
Skin corrosion/irritation	Category 1B	---	H314

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Acute aquatic toxicity

Category 1

H400

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

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Directive 67/548/EEC or 1999/45/EC	
Hazard symbol / Category of danger	Risk phrases
Dangerous for the environment (N)	R50
Harmful (Xn)	R22
Corrosive (C)	R34

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

Potential environmental effects : See section 12 for environmental information.
No further information available.

2.2. Label elements**Labelling according to Regulation (EC) No 1272/2008**

Hazard symbols

:



Signal word

:

Danger

Hazard statements

:

H302
H314
H400

Harmful if swallowed.
Causes severe skin burns and eye damage.
Very toxic to aquatic life.

Precautionary statements

Prevention

:

P273
P280

Avoid release to the environment.
Wear protective gloves/ protective clothing/
eye protection/ face protection.

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Response : P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308 IF exposed or concerned:
 P310 Immediately call a POISON CENTER or doctor/ physician.

Hazardous components which must be listed on the label:

- 2,2'-(Octadec-9-enylimino)bisethanol

2.3. Other hazards

No other information is available.

3. Composition/information on ingredients**3.1. Substances**

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)		Classification (67/548/EEC)
		Hazard class / Hazard category	Hazard statements	
2,2'-(Octadec-9-enylimino)bisethanol				
CAS-No. : 25307-17-9		Acute Tox.4	H302	C; R34
EC-No. : 246-807-3		Skin Corr.1B	H314	Xn; R22
	<= 100	Aquatic Acute1	H400	N; R50

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

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

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MSDS code: MAAB017**4. First aid measures****4.1. Description of first aid measures**

- General advice : Take off all contaminated clothing immediately.
- If inhaled : In case of accident by inhalation: remove casualty to fresh air and keep at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.
- In case of skin contact : Wash off immediately with soap and plenty of water. Call a physician immediately.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist immediately. Go to an ophthalmic hospital if possible.
- If swallowed : Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms : No further information available.
- Effects : No further information available.

4.3. Indication of any immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.
No further information available.

5. Fire-fighting measures**5.1. Extinguishing media**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet

5.2. Special hazards arising from the substance or mixture

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Specific hazards during fire fighting : Incomplete combustion may form toxic pyrolysis products.

5.3. Advice for firefighters

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit)

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. Keep away unprotected persons. Avoid contact with the skin and the eyes. Do not breathe vapours or spray mist. Wear respiratory protection. For personal protection see section 8.

6.2. Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities. If material reaches soil inform authorities responsible for such cases.

6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Keep in suitable, closed containers for disposal.
: Use mechanical handling equipment. Keep in suitable, closed containers for disposal.

Further information : Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

For personal protection see section 8.

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MSDS code: MAAB017**7. Handling and storage****7.1. Precautions for safe handling**

Advice on safe handling : Keep container tightly closed. Use personal protective equipment. Avoid contact with the skin and the eyes. Do not breathe vapours or spray mist. Use respirator with appropriate filter if vapours or aerosol are released. Emergency eye wash fountains and emergency showers should be available in the immediate vicinity.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep only in the original container.

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

Further information on storage conditions : Keep tightly closed in a dry and cool place. Keep away from heat. Keep in a well-ventilated place.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

7.3. Specific end uses

Specific use(s) : No information available.

8. Exposure controls/personal protection**8.1. Control parameters**

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Other OELs

(Additional) Information : Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Engineering measures

Refer to protective measures listed in sections 7 and 8.

Personal protective equipment

Respiratory protection

Advice : In case of brief exposure or low pollution use breathing filter apparatus.
In case of intensive or longer exposure use self-contained breathing apparatus.

Hand protection

Advice : The glove material has to be impermeable and resistant to the product / the substance / the preparation.
Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).
Protective gloves should be replaced at first signs of wear.
The following materials are suitable:
Neoprene gloves
Nitrile rubber

Eye protection

Advice : Tightly fitting safety goggles
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection

Advice : impervious clothing
Chemical resistant apron

Environmental exposure controls

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General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.
If the product contaminates rivers and lakes or drains inform respective authorities.
If material reaches soil inform authorities responsible for such cases.

9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form : Liquid

Colour : light yellow

Odour : amine-like

Odour Threshold : Currently we do not have any Information from our supplier about this.

pH : Currently we do not have any Information from our supplier about this.

Pour point : 1 °C

Boiling point/boiling range : > 300 °C

Flash point : 100 - 199 °C

Evaporation rate : Currently we do not have any Information from our supplier about this.

Flammability (solid, gas) : Currently we do not have any Information from our supplier about this.

Upper explosion limit : Currently we do not have any Information from our supplier about this.

Lower explosion limit : Currently we do not have any Information from our supplier about this.

Vapour pressure : 0.000073 hPa (20 °C)

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Relative vapour density	:	Currently we do not have any Information from our supplier about this.
Relative density	:	ca. 0.90 (20 °C)
Density	:	0.905 g/cm ³ (20 °C)
Water solubility	:	dispersible insoluble
Solubility in other solvents	:	(Ethanol) soluble
Partition coefficient: n-octanol/water	:	log Kow 3.4 (25 °C)
Ignition temperature	:	303 °C (1,013 hPa)
Thermal decomposition	:	Currently we do not have any Information from our supplier about this.
Viscosity, dynamic	:	150 mPa.s (20 °C)
Viscosity, kinematic	:	ca. 165 mm ² /s (20 °C)
Explosivity	:	Product is not explosive.
Oxidizing properties	:	not oxidising

9.2. Other information

No further information available.

10. Stability and reactivity**10.1. Reactivity**

Advice : Stable under recommended storage conditions.

10.2. Chemical stability

Advice : Stable under normal conditions.

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

Conditions to avoid : Extremes of temperature and direct sunlight.

10.5. Incompatible materialsMaterials to avoid : Copper
Aluminium
Zinc**10.6. Hazardous decomposition products**

Hazardous decomposition products : Thermal decomposition can lead to release of irritating gases and vapours.

11. Toxicological information**11.1. Information on toxicological effects****Acute toxicity****Oral**

LD50 : > 300 - 2000 mg/kg (rat) (OECD Test Guideline 401)

Inhalation

: Inhalation of aerosols may cause irritation to mucous membranes.

Irritation**Skin**Result : Causes severe burns. (rabbit) (OECD Test Guideline 404)
corrosive effects**Eyes**

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Result : corrosive effects
Risk of serious damage to eyes.

Sensitisation

Result : No sensitizing effect known.

Further information

Other relevant toxicity information : If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

12. Ecological information

12.1. Toxicity

Acute toxicity

Fish

LC50 : > 0.1 - 1 mg/l (Fish; 96 h) (Toxicity to fish)

Toxicity to daphnia and other aquatic invertebrates.

EC50 : > 0.1 - 1 mg/l (Daphnia; 48 h) (Toxicity to daphnia)

algae

EC50 : > 0.01 - 0.1 mg/l (Pseudokirchneriella subcapitata; 72 h) (Toxicity to algae; OECD Test Guideline 201)

12.2. Persistence and degradability

Persistence and degradability

Biodegradability

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Result : > 60 % (OECD 301 D)
Readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation

Result : 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).
Bioaccumulation is not expected.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Additional ecological information

Result : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.
Harmful effects to aquatic organisms due to pH-shift.
Very toxic to aquatic life.

13. Disposal considerations

13.1. Waste treatment methods

Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.

Contaminated packaging : Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

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European Waste Catalogue Number : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

14. Transport information

14.1. UN number

2735

14.2. UN proper shipping name

ADR : AMINES, LIQUID, CORROSIVE, N.O.S.
(2,2'-(Octadec-9-enylimino)bisethanol)

RID : AMINES, LIQUID, CORROSIVE, N.O.S.
(2,2'-(Octadec-9-enylimino)bisethanol)

IMDG : AMINES, LIQUID, CORROSIVE, N.O.S.
(2,2'-(Octadec-9-enylimino)bisethanol)

14.3. Transport hazard class(es)

ADR-Class : 8
(Labels; Classification Code; Hazard identification No; Tunnel restriction code) 8; C7; 80; (E)

RID-Class : 8
(Labels; Classification Code; Hazard identification No) 8; C7; 80

IMDG-Class : 8
(Labels; EmS) 8; F-A, S-B

14.4. Packaging group

ADR : II
RID : II
IMDG : II

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14.5. Environmental hazards

Labeling according to 5.2.1.8 ADR : Fish and tree
Labeling according to 5.2.1.8 RID : Fish and tree
Labeling according to 5.2.1.6.3 IMDG : Fish and tree
Classification as environmentally hazardous according to 2.9.3 IMDG : yes

14.6. Special precautions for user

Not applicable.

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

IMDG : Not applicable.

15. Regulatory information

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

Other regulations : Occupational restrictions: Take note of Dir 92/85/EEC on the safety and health of pregnant workers at work and of Dir 94/33/EC on the protection of young people at work.

15.2. Chemical Safety Assessment

Currently we do not have any Information from our supplier about this.

16. Other information

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

R22 Harmful if swallowed.
R34 Causes burns.
R50 Very toxic to aquatic organisms.

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

H302 Harmful if swallowed.

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H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.

Further information

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

|| Indicates updated section.