



N,N-dimethyltetradecylamine N-oxide CAS-No.: 3332-27-2	EEC (EINECS) No. 222-059-3	<0.5%
Classification (EC 1272/2008) Acute toxicity, category 4 - Oral - H302 Skin irritation, category 2 - H315 Serious eye damage, category 1 - H318 Hazardous to the aquatic environment, acute, category 1 - H400		Classification (67/548/EEC) Xn;R22 Xi;R38,R41 N;R50

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information

Inhalation	General first aid, rest, warmth and fresh air.
Ingestion	DO NOT INDUCE VOMITING!, Rinse mouth thoroughly., Drink plenty of water., Get medical attention., NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!
Skin contact	Rinse with water., Get medical attention if any discomfort continues.
Eye contact	Promptly wash eyes with plenty of water while lifting the eye lids., Get medical attention if any discomfort continues.

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

Ingestion	Liquid irritates mucous membranes and may cause abdominal pain if swallowed., Diarrhoea., Nausea, vomiting.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	Irritation is likely.

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

Treat Symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing media	This product is not flammable., Use fire-extinguishing media appropriate for surrounding materials.
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### 5.2. Special hazards arising from the substance or mixture

Unsuitable extinguishing media

### 5.3. Advice for firefighters

Special Fire Fighting Procedures	Self contained breathing apparatus and full protective clothing must be worn in case of fire.
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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

For personal protection, see section 8.

### 6.2. Environmental precautions

Any spillage needs to be contained and not allowed to enter water courses

### 6.3. Methods and material for containment and cleaning up

Stop leak if possible without risk., Absorb in vermiculite, dry sand or earth and place into containers., Flush with plenty of water to clean spillage area., Do not contaminate water sources or sewer.

### 6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

**SECTION 7: HANDLING AND STORAGE**

7.1. Precautions for safe handling

Eye protection should be considered where there is a risk of splashing. Rubber gloves and barrier cream are recommended when using any chemical.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place., Keep in original container.

7.3. Specific end use(s)

See product label for detailed usage and instructions.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

8.1. Control parameters

Not applicable

8.2. Exposure controls

Protective equipment



Hand protection

For prolonged or repeated skin contact use suitable protective gloves.

Eye protection

Safety glasses are not normally required. However their use is recommended where there is a risk of spray mist or splashing when using or handling product.

Other Protection

General workwear only

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

Appearance	Clear, Liquid
Colour	Dark., Green.
Odour	Characteristic., lime
Relative density	0.998 - 1.008 @ 20 °C
pH-Value, Conc. Solution	1.7

**SECTION 10: STABILITY AND REACTIVITY**

10.1. Reactivity

Stable under normal temperature conditions.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

None known

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Strong acids., Strong alkalis.

10.6. Hazardous decomposition products

Not known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Toxicological information	No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request.
Ingestion	Liquid irritates mucous membranes and may cause abdominal pain if swallowed., Diarrhoea., Nausea, vomiting.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	Irritation is likely.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Not classed as Hazardous to the Environment but release to the environment should be avoided.

### 12.2. Persistence and degradability

Degradability	The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004.
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### 12.3. Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
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### 12.4. Mobility in soil

Mobility:	The product contains substances, which are water soluble and may spread in water systems.
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### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or PvB substances

### 12.6. Other adverse effects

None known

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

## SECTION 14: TRANSPORT INFORMATION

General	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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### 14.1. UN number

### 14.2. UN proper shipping name

Proper Shipping Name:	Not applicable
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### 14.3. Transport hazard class(es)

Transport Labels	Not Applicable
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### 14.4. Packing group

### 14.5. Environmental hazards

Environmentally Hazardous substance/Marine Pollutant No

### 14.6. Special precautions for user

Tunnel Restriction Code n/a

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant

## SECTION 15: REGULATORY INFORMATION

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

UK Regulatory References	The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
Environmental Listing	Rivers (Prevention of Pollution) Act 1961., Control of Pollution (Special Waste Regulations) Act 1980.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
Approved Code Of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance Notes	Workplace Exposure Limits EH40., Introduction to Local Exhaust Ventilation HS(G)37., CHIP for everyone HSG (108). System of specific information relating to Dangerous Preparations. 2001/58/EC., Dangerous Preparations Directive 1999/45/EC., Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments., Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.
EU Legislation	
National Regulations	The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007).

### 15.2. Chemical Safety Assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture

## SECTION 16: OTHER INFORMATION

### General information

The following risk phrases relate to the raw materials in the product and not the product itself:-

### Revision Comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

Revision Date 23/06/2010

Revision 6

### Risk Phrases In Full

R34 Causes burns., R50 Very toxic to aquatic organisms., R21/22 Harmful in contact with skin and if swallowed. | R22 Harmful if swallowed., R41 Risk of serious damage to eyes. | R22 Harmful if swallowed., R38 Irritating to skin., R41 Risk of serious damage to eyes., R50 Very toxic to aquatic organisms. |

### Hazard Statements In Full

H302 Harmful if swallowed.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H400 Very toxic to aquatic life.