

TRIETHYLAMINE AR

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Reference number: 00346

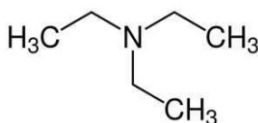
Issue date: 01-04-2022 Revision date: 01-04-2026 Supersedes version of: 19-03-2019 Version: 1.0



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

| | |
|--------------------|------------------------------------|
| Product form | : Substance |
| Trade name | : TRIETHYLAMINE AR |
| EC Index-No. | : 612-004-00-5 |
| EC-No. | : 204-469-4 |
| CAS-No. | : 121-44-8 |
| Product code | : B-02760 |
| Formula | : C ₆ H ₁₅ N |
| Chemical structure | : |



| | |
|----------|-------------------------|
| Synonyms | : N,N-Diethylethanamine |
|----------|-------------------------|

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

1.2.1. Relevant identified uses

| | |
|----------------------------------|---|
| Industrial/Professional use spec | : Industrial For professional use only |
| Use of the substance/mixture | : Laboratory chemicals Manufacture of substances |

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Bio-Chem Chemicals
5455, Nicholson Road Science Market,
Ambala Cantt. 133001 Haryana (India)
+91-82952 41953
info@biofinechemical.com - www.biofinechemical.com

1.4. Emergency telephone number

| | |
|------------------|--|
| Emergency number | : +91 99921 51495 (10.00am - 06.30pm) (Office Hours) |
|------------------|--|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

| | |
|--|------|
| Flammable liquids, Category 2 | H225 |
| Acute toxicity (oral), Category 4 | H302 |
| Acute toxicity (dermal), Category 4 | H312 |
| Acute toxicity (inhal.), Category 4 | H332 |
| Skin corrosion/irritation, Category 1 | H314 |
| Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation | H335 |

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. Harmful in contact with skin. Harmful if inhaled. Harmful if swallowed. May cause respiratory irritation. Causes severe skin burns and eye damage.

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Hazard statements (CLP)

: H225 - Highly flammable liquid and vapour.
H302+H312+H332 - Harmful if swallowed, in contact with skin or if inhaled.
H314 - Causes severe skin burns and eye damage.
H335 - May cause respiratory irritation.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 - Wear protective clothing, eye protection, face protection, protective gloves.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor.

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : Mono-constituent
Name : TRIETHYLAMINE AR
CAS-No. : 121-44-8
EC-No. : 204-469-4
EC Index-No. : 612-004-00-5

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact : Immediately call a POISON CENTER/doctor. Wash with plenty of water/... Wash contaminated clothing before reuse. Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Call a physician immediately.
First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Get medical advice/attention. Do not induce vomiting. Call a physician immediately.

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

Symptoms/effects : Causes severe skin burns and eye damage.
Symptoms/effects after inhalation : Harmful if inhaled. May cause respiratory irritation.
Symptoms/effects after skin contact : Harmful in contact with skin. Burns.
Symptoms/effects after eye contact : Serious damage to eyes.
Symptoms/effects after ingestion : Harmful if swallowed. Burns.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.
Unsuitable extinguishing media : Do not use extinguishing media containing water.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapour.
Explosion hazard : May form flammable/explosive vapour-air mixture.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames.
No smoking.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel. No open flames, no sparks, and no smoking. Avoid contact with skin, eyes and clothing. Do not breathe dust/fume/gas/mist/vapours/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. On land, sweep or shovel into suitable containers. Notify authorities if product enters sewers or public waters.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

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| | |
|-------------------------------|---|
| Precautions for safe handling | : Keep away from sources of ignition - No smoking. Use only non-sparking tools. Do not breathe vapours. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapours/spray. |
| Hygiene measures | : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse. Always wash hands after handling the product. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|------------------------|--|
| Technical measures | : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. |
| Storage conditions | : Keep in fireproof place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. |
| Incompatible materials | : Heat sources. |
| Packaging materials | : Do not store in corrodable metal. |

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

| TRIETHYLAMINE AR (121-44-8) | |
|--|--|
| EU - Indicative Occupational Exposure Limit (IOEL) | |
| Local name | Triethylamine |
| IOEL TWA [ppm] | 2 ppm |
| IOEL STEL | 12.6 mg/m ³ |
| IOEL STEL [ppm] | 3 ppm |
| Notes | Skin |
| Regulatory reference | COMMISSION DIRECTIVE 2000/39/EC |
| Germany - Occupational Exposure Limits (TRGS 900) | |
| Local name | Triethylamin |
| AGW (OEL TWA) [1] | 4.2 mg/m ³ |
| AGW (OEL TWA) [2] | 1 ppm |
| Peak exposure limitation factor | 2(I) |
| Remark | DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); EU - Europäische Union (Von der EU wurde ein Luftgrenzwert festgelegt: Abweichungen bei Wert und Spitzenbegrenzung sind möglich); H - hautresorptiv; 6 - Die Reaktion mit nitrosierenden Agentien kann zur Bildung der entsprechenden kanzerogenen N-Nitrosoamine führen |
| Regulatory reference | TRGS900 |
| Portugal - Occupational Exposure Limits | |
| Local name | Trietilamina |
| OEL TWA [ppm] | 1 ppm |
| OEL STEL [ppm] | 3 ppm |

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| TRIETHYLAMINE AR (121-44-8) | |
|---|---|
| Remark | P (Toxicidade percutânea); A4 (Agente não classificável como carcinogénico no Homem) |
| Regulatory reference | Norma Portuguesa NP 1796:2014 |
| Spain - Occupational Exposure Limits | |
| Local name | Trietilamina |
| VLA-ED (OEL TWA) [1] | 8.4 mg/m ³ |
| VLA-ED (OEL TWA) [2] | 2 ppm |
| VLA-EC (OEL STEL) | 12.6 mg/m ³ |
| VLA-EC (OEL STEL) [ppm] | 3 ppm |
| Notes | Vía dérmica (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante), f (Reacciona con agentes nitrosantes que pueden dar lugar a la formación de N-Nitrosaminas carcinógenas), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo). |
| Regulatory reference | Límites de Exposición Profesional para Agentes Químicos en España 2021. INSHT |
| United Kingdom - Occupational Exposure Limits | |
| Local name | Triethylamine |
| WEL TWA (OEL TWA) [1] | 8 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 2 ppm |
| WEL STEL (OEL STEL) | 17 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 4 ppm |
| Remark (WEL) | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Triethylamine |
| ACGIH OEL TWA [ppm] | 0.5 ppm |
| ACGIH OEL STEL [ppm] | 1 ppm |
| Remark (ACGIH) | TLV® Basis: Visual impair; URT irr. Notations: Skin; A4 (Not classifiable as a Human Carcinogen) |
| Regulatory reference | ACGIH 2021 |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

Wear appropriate mask. [In case of inadequate ventilation] wear respiratory protection.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|--|
| Physical state | : Liquid |
| Appearance | : Clear liquid. |
| Molecular mass | : 101.19 g/mol |
| Colour | : Colourless. |
| Odour | : strong ammonia-like odor. |
| Odour threshold | : No data available |
| pH | : 12.7 (10% Aqueous solution) |
| Relative evaporation rate (butylacetate=1) | : 5.6 |
| Melting point | : Not applicable |
| Freezing point | : -115 °C |
| Boiling point | : ≈ 88.8 °C |
| Flash point | : -11 °C |
| Auto-ignition temperature | : 312 °C |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Flammable Highly flammable liquid and vapour. |
| Vapour pressure | : 68.99 hPa at 20°C |
| Relative vapour density at 20 °C | : 3.5 |
| Relative density | : No data available |
| Density | : 0.73 g/cm³ at 20°C |
| Solubility | : Water: 5.5 g/100ml at 20°C - Miscible |
| Partition coefficient n-octanol/water (Log Pow) | : 1.15 |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |

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Oxidising properties : No data available
Explosive limits : 1.2 – 8 vol %

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Thermal decomposition generates : Corrosive vapours. Highly flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Open flame. Heat. Sparks. Overheating. Direct sunlight. Avoid contact with hot surfaces. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|---|--|
| Acute toxicity (oral) | : Harmful if swallowed. |
| Acute toxicity (dermal) | : Harmful in contact with skin. |
| Acute toxicity (inhalation) | : Harmful if inhaled. |
| Skin corrosion/irritation | : Causes severe skin burns. pH: 12.7 (10% Aqueous solution) |
| Serious eye damage/irritation | : Assumed to cause serious eye damage pH: 12.7 (10% Aqueous solution) |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : May cause respiratory irritation. |
| Additional information | : Corrosive to the respiratory tract. |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |
| Potential adverse human health effects and symptoms | : Harmful if swallowed, Harmful in contact with skin. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|--|---|
| Ecology - general | : Before neutralisation, the product may represent a danger to aquatic organisms. |
| Hazardous to the aquatic environment, short-term (acute) | : Not classified |

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Hazardous to the aquatic environment, long-term (chronic) : Not classified

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

| TRIETHYLAMINE AR (121-44-8) | |
|---|------|
| Partition coefficient n-octanol/water (Log Pow) | 1.15 |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Additional information : Handle empty containers with care because residual vapours are flammable. Flammable vapours may accumulate in the container.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number

UN-No. (ADR) : UN 1296
UN-No. (IMDG) : UN 1296
UN-No. (IATA) : UN 1296
UN-No. (ADN) : UN 1296
UN-No. (RID) : UN 1296

14.2. UN proper shipping name

Proper Shipping Name (ADR) : TRIETHYLAMINE
Proper Shipping Name (IMDG) : TRIETHYLAMINE
Proper Shipping Name (IATA) : Triethylamine
Proper Shipping Name (ADN) : TRIETHYLAMINE
Proper Shipping Name (RID) : TRIETHYLAMINE
Transport document description (ADR) : UN 1296 TRIETHYLAMINE, 3 (8), II, (D/E)
Transport document description (IMDG) : UN 1296 TRIETHYLAMINE, 3 (8), II (-11°C c.c.)
Transport document description (IATA) : UN 1296 Triethylamine, 3 (8), II
Transport document description (ADN) : UN 1296 TRIETHYLAMINE, 3 (8), II
Transport document description (RID) : UN 1296 TRIETHYLAMINE, 3 (8), II

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) : 3 (8)

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Danger labels (ADR) : 3, 8



IMDG

Transport hazard class(es) (IMDG) : 3 (8)

Danger labels (IMDG) : 3, 8



IATA

Transport hazard class(es) (IATA) : 3 (8)

Danger labels (IATA) : 3, 8



ADN

Transport hazard class(es) (ADN) : 3 (8)

Danger labels (ADN) : 3, 8



RID

Transport hazard class(es) (RID) : 3 (8)

Danger labels (RID) : 3, 8



14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

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14.6. Special precautions for user

Overland transport

| | |
|---|---------------|
| Classification code (ADR) | : FC |
| Limited quantities (ADR) | : 1I |
| Excepted quantities (ADR) | : E2 |
| Packing instructions (ADR) | : P001, IBC02 |
| Mixed packing provisions (ADR) | : MP19 |
| Portable tank and bulk container instructions (ADR) | : T7 |
| Portable tank and bulk container special provisions (ADR) | : TP1 |
| Tank code (ADR) | : L4BH |
| Vehicle for tank carriage | : FL |
| Transport category (ADR) | : 2 |
| Special provisions for carriage - Operation (ADR) | : S2, S20 |
| Hazard identification number (Kemler No.) | : 338 |
| Orange plates | : |



| | |
|-------------------------------|---------|
| Tunnel restriction code (ADR) | : D/E |
| EAC code | : •2WE |
| APP code | : A(fl) |

Transport by sea

| | |
|------------------------------------|--|
| Limited quantities (IMDG) | : 1 L |
| Excepted quantities (IMDG) | : E2 |
| Packing instructions (IMDG) | : P001 |
| IBC packing instructions (IMDG) | : IBC02 |
| Tank instructions (IMDG) | : T7 |
| Tank special provisions (IMDG) | : TP1 |
| EmS-No. (Fire) | : F-E |
| EmS-No. (Spillage) | : S-C |
| Stowage category (IMDG) | : B |
| Stowage and handling (IMDG) | : SW2 |
| Segregation (IMDG) | : SG35 |
| Flash point (IMDG) | : -11°C c.c. |
| Properties and observations (IMDG) | : Colourless liquid with a strong ammonia-like odour. Flashpoint: -11°C c.c. Explosive limits: 1.2% to 8% Miscible with water. Harmful by inhalation. Causes burns to skin and eyes. Irritating to mucous membranes. |
| MFAG-No | : 132 |

Air transport

| | |
|--|--------|
| PCA Excepted quantities (IATA) | : E2 |
| PCA Limited quantities (IATA) | : Y340 |
| PCA limited quantity max net quantity (IATA) | : 0.5L |
| PCA packing instructions (IATA) | : 352 |
| PCA max net quantity (IATA) | : 1L |
| CAO packing instructions (IATA) | : 363 |
| CAO max net quantity (IATA) | : 5L |
| ERG code (IATA) | : 3CH |

Inland waterway transport

| | |
|-----------------------------------|-----------------|
| Classification code (ADN) | : FC |
| Limited quantities (ADN) | : 1 L |
| Excepted quantities (ADN) | : E2 |
| Equipment required (ADN) | : PP, EP, EX, A |
| Ventilation (ADN) | : VE01 |
| Number of blue cones/lights (ADN) | : 1 |

Rail transport

| | |
|---------------------------|------|
| Classification code (RID) | : FC |
|---------------------------|------|

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| | |
|---|---------------|
| Limited quantities (RID) | : 1L |
| Excepted quantities (RID) | : E2 |
| Packing instructions (RID) | : P001, IBC02 |
| Mixed packing provisions (RID) | : MP19 |
| Portable tank and bulk container instructions (RID) | : T7 |
| Portable tank and bulk container special provisions (RID) | : TP1 |
| Tank codes for RID tanks (RID) | : L4BH |
| Transport category (RID) | : 2 |
| Colis express (express parcels) (RID) | : CE7 |
| Hazard identification number (RID) | : 338 |

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

| EU restriction list (REACH Annex XVII) | |
|--|------------------|
| Reference code | Applicable on |
| 3(a) | TRIETHYLAMINE AR |
| 3(b) | TRIETHYLAMINE AR |
| 40. | TRIETHYLAMINE AR |

TRIETHYLAMINE AR is not on the REACH Candidate List

TRIETHYLAMINE AR is not on the REACH Annex XIV List

TRIETHYLAMINE AR is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

TRIETHYLAMINE AR is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

Germany

| | |
|--|---|
| Water hazard class (WGK) | : WGK 1, Slightly hazardous to water (Classification according to AwSV; ID No. 556) |
| Hazardous Incident Ordinance (12. BImSchV) | : Is not subject of the Hazardous Incident Ordinance (12. BImSchV) |

Netherlands

| | |
|---|-------------------------------|
| SZW-lijst van kankerverwekkende stoffen | : The substance is not listed |
| SZW-lijst van mutagene stoffen | : The substance is not listed |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding | : The substance is not listed |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid | : The substance is not listed |
| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling | : The substance is not listed |

Denmark

| | |
|-----------------------------|---|
| Classification remarks | : Emergency management guidelines for the storage of flammable liquids must be followed |
| Danish National Regulations | : Young people below the age of 18 years are not allowed to use the product Pregnant/breastfeeding women working with the product must not be in direct contact with the product |

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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SECTION 16: Other information

| Abbreviations and acronyms | |
|----------------------------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |

| Full text of H- and EUH-statements | |
|------------------------------------|-------------------------------------|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |

TRIETHYLAMINE AR

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

| Full text of H- and EUH-statements | |
|------------------------------------|--|
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Skin Corr. 1 | Skin corrosion/irritation, Category 1 |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H225 | Highly flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.