

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

**Product identifier:**

**Product name:** TRIETHANOLAMINE STANDARD

**Synonyms; trade names:** TEA STD,TELA STD,2,2,2 NITRILOTRIETHANOL,TEA 85%,TRIETHANOLAMINE STANDARD 85%,TRIETHANOLAMINE 85%, TRIETHANOLAMINE STANDARD TEA85), TRIETHANOLAMINE 85% LFG 85.

**Relevant identified uses of the substance or mixture and uses advised against:**

**Identified uses:** Chemical.

**Company name:**

Nexchem Ltd  
Unit 3 Barshaw Park  
Leycroft Road  
Leicester  
LE4 1ET  
Tel: 0116 2311130  
24/7 Emergency Tel: 0800 246 1274  
Email: [sales@nexchem.co.uk](mailto:sales@nexchem.co.uk)

## 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

**Classification (EC/1272/2008):**

**Physical hazards:** Not Classified.

**Health hazards:** Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 2 - H373

**Environmental hazards:** Not Classified.

**Classification (67/548/EEC or 1999/45/EC):** Xn;R48/22. Xi;R41.

**Label elements:**

**Pictogram:**



**Signal word:**

Danger.

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**Hazard statements:** H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.  
H373 May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements:** P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe vapour/ spray.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/ container in accordance with national regulations.

**Contains:** DIETHANOLAMINE.

**Other hazards:** This product does not contain any substances classified as PBT or vPvB.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### Mixtures:

#### TRIETHANOLAMINE 60-100%

**CAS number:** 102-71-6  
**EC number:** 203-049-8  
**REACH registration number:** 01-2119486482-31-XXXX  
**Classification:** Not Classified.

#### DIETHANOLAMINE 10-30%

**CAS number:** 111-42-2  
**EC number:** 203-868-0  
**REACH registration number:** 01-2119488930-28-XXXX  
**Classification:** Acute Tox. 4 - H302  
Skin Irrit. 2 - H315  
Eye Dam. 1 - H318  
Repr. 2 - H361fd  
STOT RE 2 - H373

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

**Composition comments:** The data shown are in accordance with the latest EC Directives.

## 4. FIRST AID MEASURES

### Description of first aid measures:

**Inhalation:** Move affected person to fresh air at once.  
**Ingestion:** Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical.

[cont...]

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**Skin contact:** Remove contaminated clothing and rinse skin thoroughly with water.  
**Eye contact:** Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes.

**Most important symptoms and effects, both acute and delayed:**

**Ingestion:** May cause stomach pain or vomiting.  
**Eye contact:** Severe irritation, burning and tearing.

**Indication of any immediate medical attention and special treatment needed:**

**Notes for the doctor:** No specific recommendations. If in doubt, get medical attention promptly.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:**

**Suitable extinguishing media:** Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire.

**Special hazards arising from the substance or mixture:**

**Specific hazards:** Oxides of the following substances: Carbon. Nitrogen.

**Advice for firefighters:**

**Special protective equipment for firefighters:** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

**Personal precautions:** Wear protective clothing as described in Section 8 of this safety data sheet.

**Environmental precautions:** Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

**Methods and material for containment and cleaning up:**

**Methods for cleaning up:** Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

**Reference to other sections:** Wear protective clothing as described in Section 8 of this safety data sheet.

### 7. HANDLING AND STORAGE

**Precautions for safe handling:**

**Usage precautions:** Avoid contact with skin and eyes. Mechanical ventilation or local exhaust ventilation may be required.

[cont...]

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### Conditions for safe storage, including any incompatibilities:

**Storage precautions:** Store in tightly closed, original container in a well-ventilated place.

**Specific end use(s):** The identified uses for this product are detailed in Section 1.2.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters:

**Ingredient comments:** WEL = Workplace Exposure Limits

TRIETHANOLAMINE (CAS: 102-71-6)

**Ingredient comments:** No exposure limits known for ingredient(s).

**DNEL:** Workers - Dermal; Long term systemic effects: 6.3 mg/kg  
Workers - Inhalation; Long term systemic effects: 5 mg/m<sup>3</sup>  
Workers - Inhalation; Long term local effects: 5 mg/m<sup>3</sup>  
Consumer - Oral; Long term systemic effects: 13 mg/kg  
Consumer - Dermal; Long term systemic effects: 3.1 mg/kg  
Consumer - Inhalation; Long term systemic effects: 1.25 mg/m<sup>3</sup>  
Consumer - Inhalation; Long term local effects: 1.25 mg/m<sup>3</sup>

**PNEC:** Fresh water; 0.32 mg/l  
Intermittent release; 5.12 mg/l  
Sediment (Freshwater); 1.7 mg/kg  
Marine water; 0.032 mg/l  
Sediment (Marine water); 0.17 mg/kg  
STP; 10 mg/l  
Soil; 0.151 mg/kg

DIETHANOLAMINE (CAS: 111-42-2)

**DNEL:** Industry - Inhalation; Long term systemic effects: 1 mg/m<sup>3</sup>  
Industry - Dermal; Long term systemic effects: 0.13 mg/kg/day  
Consumer - Inhalation; Long term systemic effects: 0.25 mg/m<sup>3</sup>  
Consumer - Oral; Long term systemic effects: 0.06 mg/kg/day  
Consumer - Dermal; Long term systemic effects: 0.07 mg/kg/day

**PNEC:** Fresh water; 0.0022 mg/l  
Marine water; 0.00022 mg/l  
Intermittent release; 0.022 mg/l  
Sediment (Freshwater); 0.019 mg/kg  
Sediment (Marine water); 0.0019  
Soil; 0.00108 mg/kg  
STP; 100 mg/l

[cont...]

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### Exposure controls:

#### Protective equipment:



#### Eye/face protection:

The following protection should be worn: Chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### Hand protection:

The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). To protect hands from chemicals, gloves should comply with European Standard EN374.

**Other skin and body protection:** Wear rubber apron. Wear rubber footwear.

**Respiratory protection:** If ventilation is inadequate, suitable respiratory protection must be worn.  
EN 136/140/141/145/143/149.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties:

<b>Appearance:</b>	Liquid.
<b>Colour:</b>	Colourless.
<b>Odour:</b>	Ammonia.
<b>Odour threshold:</b>	No information available.
<b>pH:</b>	No information available.
<b>Melting point:</b>	15.8°C
<b>Initial boiling point and range:</b>	No information available.
<b>Flash point:</b>	190.5°C COC (Cleveland open cup).
<b>Evaporation rate:</b>	No information available.
<b>Evaporation factor:</b>	No information available.
<b>Flammability (solid, gas):</b>	No information available.
<b>Upper/lower flammability or explosive limits:</b>	No information available.
<b>Other flammability:</b>	No information available.
<b>Vapour pressure:</b>	No information available.
<b>Vapour density:</b>	No information available.
<b>Relative density:</b>	1.126 @ 20°C
<b>Bulk density:</b>	No information available.
<b>Solubility(ies):</b>	Miscible with water.
<b>Partition coefficient:</b>	No information available.
<b>Auto-ignition temperature:</b>	No information available.
<b>Decomposition Temperature:</b>	No information available.
<b>Viscosity:</b>	No information available.
<b>Explosive properties:</b>	No information available.
<b>Explosive under the influence of a flame:</b>	No information available.
<b>Oxidising properties:</b>	No information available.

[cont...]

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### Other information:

<b>Other information:</b>	Not determined.
<b>Refractive index:</b>	No information available.
<b>Particle size:</b>	No information available.
<b>Molecular weight:</b>	No information available.
<b>Volatility:</b>	No information available.
<b>Saturation concentration:</b>	No information available.
<b>Critical temperature:</b>	No information available.
<b>Volatile organic compound:</b>	No information available.

## 10. STABILITY AND REACTIVITY

**Reactivity:** There are no known reactivity hazards associated with this product.

### Chemical stability:

**Stability:** Stable at normal ambient temperatures and when used as recommended.

**Possibility of hazardous reactions:** Not determined.

**Conditions to avoid:** Avoid excessive heat for prolonged periods of time.

### Incompatible materials:

**Materials to avoid:** Strong acids. Strong oxidising agents. Strong alkalis. Aldehydes. Ketones.

**Hazardous decomposition products:** Oxides of the following substances: Carbon. Nitrogen.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects:

#### Acute toxicity – oral:

**ATE oral (mg/kg):** 10,666.67

#### Skin corrosion/irritation:

**Skin corrosion/irritation:** Causes skin irritation.

#### Serious eye damage/irritation:

**Serious eye damage/irritation:** Causes serious eye damage.

#### Respiratory sensitisation:

**Respiratory sensitisation:** No information available.

#### Skin sensitisation:

**Skin sensitisation:** No information available.

#### Germ cell mutagenicity:

**Genotoxicity - in vitro:** No information available.

[cont...]

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### Carcinogenicity:

**Carcinogenicity:** No information available.

### Reproductive toxicity:

**Reproductive toxicity – fertility:** Suspected of damaging fertility.

**Reproductive toxicity – development:** Suspected of damaging the unborn child.

### Specific target organ toxicity - single exposure:

**STOT - single exposure:** No information available.

### Specific target organ toxicity - repeated exposure:

**STOT - repeated exposure:** Causes damage to organs (Blood, Kidneys, Liver) through prolonged or repeated exposure if swallowed.

**Target organs:** Blood Liver Kidneys

### Aspiration hazard:

**Aspiration hazard:** No information available.

### Inhalation:

May cause respiratory system irritation.

### Ingestion:

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Harmful: danger of serious damage to health by prolonged exposure if swallowed.

### Skin contact:

Irritating to skin.

### Eye contact:

Risk of serious damage to eyes.

### Toxicological information on ingredients:

#### TRIETHANOLAMINE:

#### Acute toxicity – oral:

**Acute toxicity oral (LD<sub>50</sub> mg/kg):** 6,400.0

**Species:** Rat

**ATE oral (mg/kg):** 6,400.0

#### Acute toxicity – dermal:

**Notes (dermal LD<sub>50</sub>):** LD<sub>50</sub> >2000 mg/kg, Dermal, Rat

#### Skin corrosion/irritation:

**Skin corrosion/irritation:** Not irritating.

**Animal data:** No information available.

#### Serious eye damage/irritation:

**Serious eye damage/irritation:** No information available.

#### Respiratory sensitisation:

**Respiratory sensitisation:** No information available.

[cont...]

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### Skin sensitisation:

**Skin sensitisation:** No information available.

### Germ cell mutagenicity:

**Genotoxicity - in vitro:** No information available.

**Genotoxicity - in vivo:** Negative.

### Carcinogenicity:

**Carcinogenicity:** Data lacking.

**IARC carcinogenicity:** IARC Group 3 Not classifiable as to its carcinogenicity to humans.

### Reproductive toxicity:

**Reproductive toxicity – fertility:** No information available.

**Reproductive toxicity - development:** Data lacking.

### Specific target organ toxicity - single exposure:

**STOT - single exposure:** No information available.

### Specific target organ toxicity - repeated exposure:

**STOT - repeated exposure:** No information available.

### Aspiration hazard:

**Aspiration hazard:** No information available.

**Inhalation:** May cause respiratory irritation.

**Ingestion:** Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

**Skin contact:** May be slightly irritating to skin.

**Eye contact:** May cause temporary eye irritation.

### DIETHANOLAMINE:

#### Acute toxicity – oral:

**Acute toxicity oral (LD<sub>50</sub> mg/kg):** 1,600.0

**Species:** Rat

**Notes (oral LD<sub>50</sub>):** OECD 401

**ATE oral (mg/kg):** 1,600.0

#### Acute toxicity – dermal:

**Acute toxicity dermal (LD<sub>50</sub> mg/kg):** 12,970.0

**Species:** Rabbit

#### Acute toxicity – inhalation:

**Notes (inhalation LC<sub>50</sub>):** LC<sub>0</sub> 3.35 mg/l, Inhalation, Rat

### Skin corrosion/irritation:

**Skin corrosion/irritation:** Causes skin irritation. Rabbit

[cont...]



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### Serious eye damage/irritation:

**Serious eye damage/irritation:** Causes serious eye damage. Irreversible effect. Rabbit

### Respiratory sensitisation:

**Respiratory sensitisation:** No information available.

### Skin sensitisation:

**Skin sensitisation:** Not sensitising.

### Germ cell mutagenicity:

**Genotoxicity - in vitro:** This substance has no evidence of mutagenic properties.

### Carcinogenicity:

**Carcinogenicity:** Based on available data the classification criteria are not met. NOAEL 32 mg/kg/day, Dermal, Rat 103 weeks LOAEL 40 mg/kg/day, Dermal, Rat.

**IARC carcinogenicity:** IARC Group 2B Possibly carcinogenic to humans.

### Reproductive toxicity:

**Reproductive toxicity – fertility:** Suspected of damaging the unborn child.

**Reproductive toxicity – development:** Suspected of damaging fertility.

### Specific target organ toxicity - single exposure:

**STOT - single exposure:** No information available.

### Specific target organ toxicity - repeated exposure:

**STOT - repeated exposure:** Causes damage to organs (Blood, Kidneys, Liver) through prolonged or repeated exposure if swallowed.

**Target organs:** Blood Kidneys Liver

### Aspiration hazard:

**Aspiration hazard:** Based on available data the classification criteria are not met.

**Inhalation:** Gas or vapour in high concentrations may irritate the respiratory system.

**Ingestion:** Harmful if swallowed.

**Skin contact:** Irritating to skin.

**Eye contact:** Risk of serious damage to eyes. Risk of corneal damage.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

### Ecological information on ingredients:

#### TRIETHANOLAMINE:

**Ecotoxicity:** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment. [cont...]

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### DIETHANOLAMINE:

**Ecotoxicity:** The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

### Toxicity:

**Toxicity:** Not considered toxic to fish.

**Acute toxicity – fish:** LC<sub>50</sub>, 96 hours: 5600 mg/l, Fish

**Acute toxicity - aquatic invertebrates:** EC<sub>50</sub>, 48 hours: 947 mg/l, Daphnia magna

**Acute toxicity - aquatic plants:** IC<sub>50</sub>, 72 hours: >5000 mg/l, Algae

### Ecological information on ingredients:

#### TRIETHANOLAMINE:

**Toxicity:** Not considered toxic to fish.

**Acute toxicity – fish:** LC<sub>50</sub>, 96 hours: 450-7900 mg/l, Fish

**Acute toxicity - aquatic invertebrates:** EC<sub>50</sub>, 48 hours: >2500 mg/l, Daphnia magna

**Acute toxicity - aquatic plants:** IC<sub>50</sub>, 72 hours: 216 mg/l, Algae

#### DIETHANOLAMINE:

**Toxicity:** Not considered toxic to fish.

### Acute aquatic toxicity:

**Acute toxicity – fish:** LC<sub>50</sub>, 96 hours: 1460 mg/l, Pimephales promelas (Fat-head Minnow)

**Acute toxicity – aquatic invertebrates:** EC<sub>50</sub>, 48 hours: 55 mg/l, Daphnia magna

NOEC, 504 hour: 0.78 mg/l, Daphnia magna

LOEC, 504 hour: 1.56 mg/l, Daphnia magna

**Acute toxicity – aquatic plants:** EC<sub>50</sub>, 72 hours: 9.5 mg/l, Pseudokirchneriella subcapitata

**Acute toxicity – microorganisms:** EC<sub>20</sub>, 30 minutes: >1000 mg/l, Activated sludge

### Chronic aquatic toxicity:

**Chronic toxicity – aquatic invertebrates:** EC10, 21 days: 1.05 mg/l, Daphnia magna

OECD 202

### Persistence and degradability:

**Persistence and degradability:** There are no data on the degradability of this product.

### Ecological information on ingredients:

#### TRIETHANOLAMINE:

**Persistence and degradability:** There are no data on the degradability of this product.

### Biodegradation:

Degradation 97: 28 days

OECD 301A

[cont...]

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### DIETHANOLAMINE:

**Persistence and degradability:** The product is readily biodegradable.

**Biodegradation:** Degradation 93%: 28 day  
OECD 301F

**Biological oxygen demand:** 885 mg/g

**Chemical oxygen demand:** 1352 mg/g

**Bioaccumulative potential:**

**Bioaccumulative potential:** No data available on bioaccumulation.

**Partition coefficient:** No information available.

### TRIETHANOLAMINE:

**Bioaccumulative potential:** BCF: < 0.4, Cyprinus carpio (Common carp) OECD 305 C

**Partition coefficient:** log Pow: -2.3

### DIETHANOLAMINE:

**Bioaccumulative potential:** The product does not contain any substances expected to be bioaccumulating.

**Partition coefficient:** log Kow: -2.18

**Mobility in soil:**

**Mobility:** The product is soluble in water.

### TRIETHANOLAMINE:

**Mobility:** The product is soluble in water.

**Surface tension:** 48.8 mN/m @ 25°C

### DIETHANOLAMINE:

**Mobility:** The product is soluble in water.

**Henry's law constant:** 0.000004 Pa m<sup>3</sup>/mol @ 25°C

**Results of PBT and vPvB assessment:**

**Results of PBT and vPvB assessment:** This substance is not classified as PBT or vPvB according to current EU criteria.

### TRIETHANOLAMINE:

**Results of PBT and vPvB assessment:** This substance is not classified as PBT or vPvB according to current EU criteria.

### DIETHANOLAMINE:

**Results of PBT and vPvB assessment:** This substance is not classified as PBT or vPvB according to current EU criteria.

**Other adverse effects:**

**Cod:** 1.52 mg

**Other adverse effects:** No information required.

[cont...]

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### TRIETHANOLAMINE:

**Cod:** 0.25  
**Other adverse effects:** Not determined.

### DIETHANOLAMINE:

**Other adverse effects:** None known.

## 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods:

**General information:** When handling waste, the safety precautions applying to handling of the product should be considered. Do not puncture or incinerate, even when empty.

**Disposal methods:** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## 14. TRANSPORT INFORMATION

**General:** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**UN number:** No information required.  
**UN proper shipping name:** No information required.  
**Transport hazard class(es):** No information required.  
**Packing group:** No information required.

### Environmental hazards:

**Environmentally hazardous substance/marine pollutant:** No.

**Special precautions for user:** No information required.

**Transport in bulk according to Annex II of MARPOL and the IBC Code:**

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** No information required.

## 15. REGULATORY INFORMATION

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

EU legislation 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) (as amended).  
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 (as amended).  
Commission Regulation (EU) No 2015/830 of 28 May 2015.

**Chemical safety assessment:** No chemical safety assessment has been carried out.

[cont...]

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**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

### 16. OTHER INFORMATION

#### Abbreviations and acronyms used in the safety data sheet:

ATE: Acute Toxicity Estimate.  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
CAS: Chemical Abstracts Service.  
DNEL: Derived No Effect Level.  
IATA: International Air Transport Association.  
IMDG: International Maritime Dangerous Goods.  
Kow: Octanol-water partition coefficient.  
LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
PBT: Persistent, Bioaccumulative and Toxic substance.  
PNEC: Predicted No Effect Concentration.  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
vPvB: Very Persistent and Very Bioaccumulative.  
IARC: International Agency for Research on Cancer.  
MARPOL 73/78: International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978.  
cATpE: Converted Acute Toxicity Point Estimate.  
BCF: Bioconcentration Factor.  
BOD: Biochemical Oxygen Demand.  
EC<sub>50</sub>: 50% of maximal Effective Concentration.  
LOAEC: Lowest Observed Adverse Effect Concentration.  
LOAEL: Lowest Observed Adverse Effect Level.  
NOAEC: No Observed Adverse Effect Concentration.  
NOAEL: No Observed Adverse Effect Level.  
NOEC: No Observed Effect Concentration.  
LOEC: Lowest Observed Effect Concentration.  
DMEL: Derived Minimal Effect Level.  
EL50: Exposure Limit 50  
hPa: Hectopascal  
LL50: Lethal Loading fifty  
OECD: Organisation for Economic Co-operation and Development

[cont...]

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POW: Octanol-water partition coefficient  
SCBA: self-contained breathing apparatus  
STP: Sewage Treatment Plant  
VOC: Volatile Organic Compounds

### Classification abbreviations and acronyms:

Acute Tox. = Acute toxicity  
Aquatic Acute = Hazardous to the aquatic environment (acute)  
Aquatic Chronic = Hazardous to the aquatic environment (chronic)

### Hazard statements in full:

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs (Blood, Kidneys, Liver, Nervous system) through prolonged or repeated exposure.

### Legal disclaimer:

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation. This advice is given by Nexchem Ltd who accept no legal liability for it except otherwise provided by law. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.