| | |
|---|---|
| **Product** | RELOAD 1 SANITIZER DEGREASER CONCENTRATE |
| **Revision date** | 05 July 2017 |
| **Revision** | 1 |

# Safety Data Sheet (SDS)

## Section 1: Identification of the substance/preparation and of the company/undertaking

### 1.1 Product identifier

| | |
|---|---|
| **Product name** | **RELOAD 1 SANITIZER DEGREASER CONCENTRATE** |
| **Product no.** | **REAQUATRIG** |
| **Synonyms, Trade names** | No information available. |

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

| | |
|---|---|
| **Identified uses** | Cleaning agent. |
| **Uses advised against** | Any other purpose. |

### 1.3 Details of the supplier of the safety data sheet

| | |
|---|---|
| **Supplier** | Kitchenmaster NI Ltd<br>11 Comber Road<br>Belfast<br>BT8 8AN<br>United Kingdom<br>Tel: 028 9081477 02890812881 |
| **Contact person** | sales@kitchenmaster-ni.com |

### 1.4 Emergency telephone number

| | |
|---|---|
| **Emergency telephone** | Emergency Telephone Number: 028 9081 4777 08:30 – 17:00 Monday to Thursday 08:30 – 16:30 Friday |

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification (EC 1272/2008)**

| | |
|---|---|
| Physical and chemical hazards | Not classified |
| Human health | Skin Corr. 1B - H314, Eye Dam. 1 - H318 |
| Environment | Aquatic Chronic 3 - H412 |

### 2.2 Label elements

| | |
|---|---|
| **Contains** | Alcohols, C12-15, ethoxylated<br>sodium hydroxide caustic soda<br>Benzyl-C12-14-alkyldimethylammonium chlorides<br>N,N-dimethyltetradecylamine N-oxide |
| **Detergent labeling** | ≥5% <15% non-ionic surfactants<br><5% phosphonates<br><5% amphoteric surfactants |

**Label in accordance with (EC) no. 1272/2008**

| | |
|---|---|
| **Signal word** | Danger |
| **Hazard statements** | H314 Causes severe skin burns and eye damage.<br>H412 Harmful to aquatic life with long lasting effects. |

**Precautionary statements**

**Prevention**
P260 Do not breathe dust/fume/ gas/mist/vapours/spray.
P280 Wear protective gloves/ protective clothing/eye protection/face protection.
**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.
P310 Immediately call a POISON CENTER or doctor/physician.

### 2.3 Other hazards

None known.

## Section 3: Composition/identification of ingredients

### 3.1 Substance

Not applicable.

### 3.2 Mixtures

| Name | Product identifier | Reg. EU 1272/2008 | % |
|---|---|---|---|
| Alcohols, C12-15, ethoxylated | CAS-No.: 68131-39-5<br>EC No.: 500-195-7 | Eye Dam. 1 - H318, Aquatic Acute 1 - H400, Aquatic Chronic 3 - H412 | 1-10% |
| sodium hydroxide caustic soda | CAS-No.: 1310-73-2<br>EC No.: 215-185-5 | Skin Corr. 1A - H314 | 1-10% |
| Benzyl-C12-14-alkyldimethylammonium chlorides | CAS-No.: 85409-22-9<br>EC No.: 939-350-2<br>REACH Reg No.: 01-2119970550-39-0000 | Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410, Acute Tox 4 - H302, Skin Corr. 1B - H314, Eye Dam. 1 - H318 | 1-10% |
| 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts | CAS-No.: 61789-40-0<br>EC No.: 263-058-8 | Skin Irrit.2 - H315, Eye Irrit.2A - H319 | 1-10% |
| 4,6-DIHYDROXY-2-MERCAPTO-5-NITROSOPYRIMIDINE | CAS-No.: 63681-88-9<br>EC No.: | Acute Tox 4 - H302, Eye Irrit.2A - H319 | 0-1% |
| N,N-dimethyltetradecylamine N-oxide | CAS-No.: 3332-27-2<br>EC No.: 222-059-3 | Acute Tox 4 - H302, Skin Irrit.2 - H315, Eye Dam. 1 - H318, Aquatic Acute 1 - H400, Aquatic Chronic 2 - H411 | 0-1% |
| ethanol | CAS-No.: 64-17-5<br>EC No.: 200-578-6 | Eye Irrit.2A - H319, Flam. Liq 2- H225 | 0-1% |

The full text for all hazard statements are displayed in section 16.

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

## Section 4: First aid measures

### 4.1 Description of first aid measures

**General information** As a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue. Provide general first aid, rest, warmth and fresh air.

**Inhalation** Move the exposed person to fresh air at once. If breathing is difficult, oxygen should be administered by qualified personnel. If not breathing, give artificial respiration. Get prompt medical attention.

**Ingestion** Get medical attention immediately. Do not induce vomiting. Provided the patient is fully conscious, washout mouth with water. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Artificial respiration and/or oxygen may be necessary.

**Skin contact** Take off contaminated clothing and shoes immediately. Promptly flush contaminated skin with water. Continue to rinse for at least 15 minutes. Seek medical attention immediately.

**Eye contact** SPEED IS ESSENTIAL. Avoid contaminating unaffected eye. Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open. Remove contact lenses if present and easy to do so. Get medical attention immediately.

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

| | |
|---|---|
| **General information** | The severity of the symptoms described will vary dependant of the concentration and the length of exposure. |
| **Inhalation** | Inhalation may cause respiratory irritation. |
| **Ingestion** | May cause chemical burns in mouth and throat. May cause stomach pain or vomiting. |
| **Skin contact** | Symptoms: Redness, swelling of tissue, burns, ulceration. May cause serious chemical burns to the skin. |
| **Eye contact** | May cause irreversible eye damage. Symptoms may include redness, lachrymation, swelling of tissue, burns. |

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

| | |
|---|---|
| **Notes to the physician** | Treat symptomatically. |

## Section 5: Fire-fighting measures

### 5.1 Extinguishing media

| | |
|---|---|
| **Extinguishing media** | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray. Water fog. Foam. Dry powder. Carbon dioxide. Dry chemical. |
| **Unsuitable extinguishing media** | High volume water jet. |

### 5.2 Special hazards arising from the substance or mixture

| | |
|---|---|
| **Hazardous combustion products** | Hazardous decomposition products formed under fire conditions. |
| **Unusual fire & explosion hazards** | Flammable hydrogen can form when the product contacts metals. |
| **Specific hazards** | During fire, gases hazardous to health may be formed. Do not allow run-off from fire fighting to enter drains or water courses. |

### 5.3 Advice for firefighters

| | |
|---|---|
| **Special fire fighting procedures** | If possible, fight fire from protected position. Ventilate closed spaces before entering them. Keep up-wind to avoid fumes. Containers close to fire should be removed immediately or cooled with water. Suppress (knock down) gasses/vapours/mists with a water spray. |
| **Protective equipment for firefighters** | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |

## Section 6: Accidental release measures

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

| | |
|---|---|
| **Personal precautions** | Do not mix with other chemicals. Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. In case of inadequate ventilation, use respiratory protection. Eliminate all sources of ignition. |
| **For emergency responders** | Follow safe handling advice and personal protective equipment recommendations for normal use of product. |

### 6.2 Environmental precautions

| | |
|---|---|
| **Environmental precautions** | Avoid discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. |

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

| | |
|---|---|
| **Spill clean up methods** | Ventilate and evacuate the area. Eliminate all ignition sources. Wear necessary protective equipment DO NOT touch spilled material! Stop leak if possible without risk. Use non - metallic tools/containers for clean up.<br>Absorb spillage with inert, damp, non-combustible material or use a liquid binding material. Place waste material into suitable labelled sealed containers for disposal. Remove waste promptly to a safe area. Flush with plenty of water to clean spillage area. |

### 6.4 Reference to other sections

**Reference to other sections** — See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

**Handling** — Read and follow manufacturer's recommendations. Use personal protective equipment, see Section 8. Avoid contact with skin and eyes. Do not handle broken packages without protective equipment. Ensure adequate ventilation. If necessary, use local exhaust ventilation.
Do not use contact lenses. Keep away from flammable materials and incompatible substances. Use only equipment and materials which are compatible with the product. Do not confine the product in a circuit, between closed valves, or in a container without a vent. Always wash hands after handling.

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

**Storage precautions** — Keep locked up and out of reach of children. Store in tightly closed original container in a cool, dry and well-ventilated place.

**Storage class** — Corrosive storage

### 7.3 Specific end use(s)

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

**Usage description** — Use only according to directions.

## Section 8: Exposure controls/Personal protection

### 8.1 Control parameters

| Component | STD | TWA (8 Hrs) | | STEL (15mins) | | Notes |
|---|---|---|---|---|---|---|
| **sodium hydroxide caustic soda** | OEL | | | | 2 $mg/m^3$ | |
| **sodium hydroxide caustic soda** | WEL | | | | 2 $mg/m^3$ | |
| **ethanol** | OEL | | | 1000 ppm | | |
| **ethanol** | WEL | 1000 ppm | 1920 $mg/m^3$ | | | |

**Ingredient comments** — WEL - Workplace Exposure Limits - EH40/2005 Workplace exposure limits.
OEL - Occulational Exposure Limit - Ireland, Occupational Exposure Limits 2016.

### 8.2 Exposure Controls

**Protective equipment**

**Engineering measures** — Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

**Respiratory equipment** — When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use respirators and components tested and approved under appropriate government standards such as CEN (EU). If the respirator is the sole means of protection, use a full-face supplied air respirator. Self-contained breathing apparatus (EN 133). Respirator with a vapour filter (EN 141). In case of decomposition (see section 10), face mask with combined type B-P2 cartridge.

**Hand protection** — Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374) is recommended. (EU Directive 89/686/EEC). Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Gloves must be inspected prior to use.

| | |
|---|---|
| | Suggested material: Butyl-rubber. Minimum layer thickness: >= 0.35 mm. Break through time: 480 min. Gloves must be inspected prior to use. Consult manufacturer for specific advice on material. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. |
| **Eye protection** | Wear safety goggles or face shield to prevent any possibility of eye contact. Use equipment for eye protection tested and approved under appropriate government standards such as EN 166(EU). |
| **Other protection** | Wear appropriate clothing to prevent any possibility of skin contact. The selected clothing must satisfy the European norm standard EN 943. Protective clothing should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. |
| **Hygiene measures** | DO NOT SMOKE IN WORK AREA! Wash hands after handling. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke. |
| **Process conditions** | Keep container tightly sealed when not in use. Ensure that eye flushing systems and safety showers are located close by in the work place. |

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| **Appearance** | Liquid. |
| **Colour** | Clear. Fluorescent pink. |
| **Odour** | Characteristic odour. |
| **Odour threshold - lower** | No information available. |
| **Odour threshold - upper** | No information available. |
| **pH-Value, Conc. Solution** | >14. |
| **pH-Value, Diluted solution** | No information available. |
| **Melting point** | No information available. |
| **Initial boiling point and boiling range** | No information available. |
| **Flash point** | No information available. |
| **Evaporation rate** | No information available. |
| **Flammability state** | No information available. |
| **Flammability limit - lower(%)** | No information available. |
| **Flammability limit - upper(%)** | No information available. |
| **Vapour pressure** | No information available. |
| **Vapour density (air=1)** | No information available. |
| **Relative density** | 1.060g/$cm^3$ @ 20.00 °C |
| **Bulk density** | No information available. |
| **Solubility** | Soluble in water. |
| **Decomposition temperature** | No information available. |
| **Partition coefficient; n-Octanol/Water** | No information available. |
| **Auto ignition temperature (°C)** | No information available. |
| **Viscosity** | No information available. |
| **Explosive properties** | Not classified as explosive. |
| **Oxidising properties** | No information available. |

### 9.2 Other information

| | |
|---|---|
| **Molecular weight** | No information available. |
| **Volatile organic compound** | No information available. |
| **Other information** | None noted. |

## Section 10: Stability and reactivity

### 10.1 Reactivity

| | |
|---|---|
| **Reactivity** | Corrosive to metals. Reaction with acids. |

### 10.2 Chemical stability

| | |
|---|---|
| **Stability** | Stable under normal temperature conditions and recommended use. Corrosive in contact with metals. |

### 10.3 Possibility of hazardous reactions

| | |
|---|---|
| **Hazardous reactions** | Corrosive in contact with metals. Reacts with acids. |
| **Hazardous polymerisation** | Unknown. |
| **Polymerisation description** | Not applicable. |

### 10.4 Conditions to Avoid

| | |
|---|---|
| **Conditions to avoid** | Heat, sparks, open flames, temperature extremes and direct sunlight. To avoid thermal decomposition do not overheat. Keep away from contact with metals (Nickel, Copper, Cobalt, Aluminium, Manganese, etc.). Avoid freezing. |

### 10.5 Incompatible materials

| | |
|---|---|
| **Materials to avoid** | Metals, Salts of metals, Acids, Organic materials. Avoid contact with oxidising agents. |

### 10.6 Hazardous decomposition products

| | |
|---|---|
| **Hazardous decomposition products** | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Decomposition may lead to the release of flammable hydrogen gas. |

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

| | |
|---|---|
| **Toxicological information** | Caustic/ irritant effect on skin, eyes and mucous membranes (Respiratory tract). |
| **Acute toxicity (Oral LD50)** | Alcohols, C12 -15, ethoxylated (CAS 68131-39-5): > 5000 mg/kg, Rat. REACH dossier information. SODIUM HYDROXIDE (CAS 1310-73-2): 325 mg/kg bw, Rabbit. REACH dossier information. |
| **Acute toxicity (Dermal LD50)** | Alcohols, C12 -15, ethoxylated (CAS 68131-39-5): > 2000 mg/kg, Rat. REACH dossier information. SODIUM HYDROXIDE (CAS 1310-73-2): 1350 mg/kg, Rabbit. IUCLID chemical data sheet. |
| **Acute toxicity (Inhalation LD50)** | Alcohols, C12 -15, ethoxylated (CAS 68131-39-5): > 1.6 mg/l, (dust/mist), Rat - 4 hours. REACH dossier information. |
| **Serious eye damage/irritation** | Causes serious eye damage. |
| **Skin corrosion/irritation** | No information available. |
| **Respiratory sensitisation** | No information available. |
| **Skin sensitisation** | No information available. |
| **Germ cell mutagenicity** | No information available. |
| **Carcinogenicity** | No information available. |

**Specific target organ toxicity - Single exposure:**

| | |
|---|---|
| **STOT - Single exposure** | No information available. |

**Specific target organ toxicity - Repeated exposure:**

**STOT - Repeated exposure** No information available.

**Inhalation** Inhalation may cause respiratory irritation.

**Ingestion** May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.

**Skin contact** Symptoms: Redness, swelling of tissue, burns, ulceration. May cause serious chemical burns to the skin.

**Eye contact** May cause irreversible eye damage. Symptoms may include redness, lachrymation, swelling of tissue, burns.

**Waste management** Dispose of in accordance with local and national regulations. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

**Routes of entry** No information available.

**Target organs** Eyes, skin, digestive system, respiratory system.

**Aspiration hazards:** No information available.

**Reproductive toxicity:** No information available.

| Name | LD50 oral | LD50 dermal | LD50 inhalation |
|---|---|---|---|
| Alcohols, C12-15, ethoxylated | >5000.00mg/kg Rat | | |
| TRISODIUM CITRATE | 5400.00mg/kg Mouse | >2000.00mg/kg Rat | |
| Benzyl-C12-14-alkyldimethylammonium chlorides | 379.50mg/kg Rat | 3412.00mg/kg Rabbit | |
| N,N-dimethyltetradecylamine N-oxide | >2000.00mg/kg Rat | | |
| 4,6-DIHYDROXY-2-MERCAPTO-5-NITROSOPYRIMIDINE | 300.00mg/kg Rat | | |

## Section 12: Ecological information

### 12.1 Toxicity

**Acute toxicity - Fish** Alcohols, C12 -15, ethoxylated (CAS 68131-39-5) LC50: (96 hours) 0.59 mg/l, Pleuronectes platessa. REACH dossier information. SODIUM HYDROXIDE (CAS 1310-73-2) LC50: (96 hours) 45.4 mg/l, Oncorhynchus mykiss (Rainbow trout.) IUCLID chemical data sheet.

**Acute toxicity - Aquatic invertebrates** Alcohols, C12 -15, ethoxylated (CAS 68131-39-5) EC50: (48 hours) 0.14 mg/l, Daphnia magna. REACH dossier information. SODIUM HYDROXIDE (CAS 1310-73-2) EC50: (48 hours) 40.4 ug/L, Ceriodaphnia sp. REACH dossier information.

**Acute toxicity - Aquatic plants** Alcohols, C12 -15, ethoxylated (CAS 68131-39-5) EC50: (72 hours) 0.75 mg/l, Selenastrum capricornutum. REACH dossier information.

**Acute toxicity - Microorganisms** No information available.

**Chronic toxicity - Fish** No information available.

**Chronic toxicity - Aquatic invertebrates** No information available.

**Chronic toxicity - Aquatic plants** No information available.

**Chronic toxicity - Microorganisms** No information available.

**Ecotoxicity** The product contains substance which is very toxic to aquatic life.

**Eco toxilogical information** The product contains a substance which is harmful to aquatic organisms.

### 12.2 Persistence and degradability

**Degradability** The degradability of the product has not been stated.

**Biological oxygen demand** No information available.

**Chemical oxygen demand** No information available.

### 12.3 Bioaccumulative potential

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

**Bioacculmation factor** No information available.

**Partition coefficient; n-Octanol/Water** No information available.

### 12.4 Mobility in soil

**Mobility** Soluble in water.

### 12.5 Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** The product does not contain any PBT or vPvB Substances.

### 12.6 Other adverse effects

**Other adverse effects** No information available.

| Name | Acute toxicity (Fish) | Acute toxicity (Aquatic invertebrates) | Acute toxicity (Aquatic plants) |
|---|---|---|---|
| Alcohols, C12-15, ethoxylated | LC50 96 Hours >2.00ppm Brachydanio rerio (Zebra Fish) | | |
| Benzyl-C12-14-alkyldimethylammonium chlorides | LC50 0.52mg/l Freshwater Fish | EC50 0.02mg/l Daphnia magna | |
| N,N-dimethyltetradecylamine N-oxide | LC50 96 Hours 5.00mg/l Freshwater Fish | | |
| 4,6-DIHYDROXY-2-MERCAPTO-5-NITROSOPYRIMIDINE | LC50 96 Hours >100.00mg/l Onchorhynchus mykiss (Rainbow Trout) | | |

## Section 13: Disposal considerations

**Waste management** Dispose of in accordance with local and national regulations. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

### 13.1 Waste treatment methods

**Disposal methods** Dispose of waste and residues in accordance with local authority requirements. Dispose in a safe manner in accordance with local/national regulations.

## Section 14: Transport information

### 14.1 UN number

**UN no. (ADR)** UN1760
**UN no. (IMDG)** UN1760
**UN no. (IATA)** UN1760

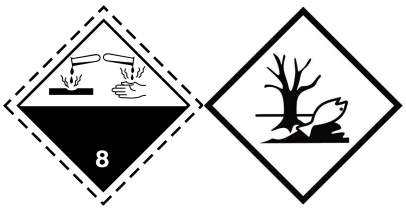
### 14.2 UN proper shipping name

**ADR proper shipping name** CORROSIVE LIQUID, N.O.S. (sodium hydroxide caustic soda + Benzyl-C12--4-alkyldimethylammonium chlorides)
**IMDG proper shipping name** CORROSIVE LIQUID, N.O.S. (sodium hydroxide caustic soda + Benzyl-C12--4-alkyldimethylammonium chlorides)
**IATA proper shipping name** CORROSIVE LIQUID N.O.S. (sodium hydroxide caustic soda + Benzyl-C12--4-alkyldimethylammonium chlorides)

### 14.3 Transport hazard class(es)

**ADR class** 8
**IMDG class** 8
**IATA class** 8

**Transport labels**




### 14.4 Packing group

**ADR/RID/ADN packing group** II
**IMDG packing group** II
**IATA packing group** II

### 14.5 Environmental hazards

**ADR** Yes
**IMDG** Yes

| | |
|---|---|
| **IATA** | Yes |

### 14.6 Special precautions for user

| | |
|---|---|
| **EMS** | F-A, S-B |
| **Emergency action code** | A3 |
| **Hazard no. (ADR)** | 80 |
| **Tunnel restriction code** | (E) |

### 14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code

Not applicable.

## Section 15: Regulatory information

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

| | |
|---|---|
| **EU legislation** | 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. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20th May 2010 amending regulation (EC) No 1907/2006. |
| **Approved code of practice** | Workplace Exposure Limits Guidance Note EH40/2005.<br><br>2016 Code of Practice for the Chemical Agents Regulations in accordance with section 60 of the Safety, Health and Welfare at Work Act 2005 (No. 10 of 2005). |
| **Chemical safety assessment** | No chemical safety assessment has been carried out. |

## Section 16: Other information

| | |
|---|---|
| **General information** | This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010 |
| **Revision comments** | This is first issue |
| **Revision date** | 05 July 2017 |
| **Revision** | 1 |
| **Safety data sheet status** | Approved. |

### Hazard statements in full

| | |
|---|---|
| **H302** | Harmful if swallowed. |
| **H318** | Causes serious eye damage. |
| **H400** | Very toxic to aquatic life. |
| **H412** | Harmful to aquatic life with long lasting effects. |
| **H314** | Causes severe skin burns and eye damage. |
| **H410** | Very toxic to aquatic life with long lasting effects. |
| **H315** | Causes skin irritation. |
| **H319** | Causes serious eye irritation. |
| **H411** | Toxic to aquatic life with long lasting effects. |
| **H225** | Highly flammable liquid and vapour. |

**Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.