| | |
|---|---|
| **Product** | ALD29 - Bathroom Cleaner Concentrate |
| **Revision date** | 19 November 2020 |
| **Revision** | 3 |

# Safety Data Sheet (SDS)

according to Regulation (EC) No. 1907/2006

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

### 1.1 Product identifier

| | |
|---|---|
| **Product name** | **ALD 29 - Bathroom Cleaner Concentrate** |
| **Product no.** | **REAQUABATH** |
| **Other means of identification** | No information available. |

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

| | |
|---|---|
| **Identified uses** | Cleaning agent. |
| **Uses advised against** | No uses advised against are identified. |

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

| | |
|---|---|
| **Supplier** | Manepa Hygenics<br>628B Jordanstown Avenue<br>Greenogue Business Park<br>Rathcoole<br>Co. Dublin<br>Tel: 014677600 |
| **Contact person** | support@manepa.com |

### 1.4 Emergency telephone number

| | |
|---|---|
| **Emergency telephone** | Emergency Telephone Number: 086 0272033 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. 1C - H314 |
| Environment | Aquatic Chronic 3 - H412 |

### 2.2 Label elements

| | |
|---|---|
| **Contains** | Benzyl-C12-14-alkyldimethylammonium chlorides |
| **Detergent labeling** | <5% non-ionic 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**<br>P260 Do not breathe dust/fume/ gas/mist/vapours/spray.<br>P280 Wear protective gloves/ protective clothing/eye protection/face protection.<br>**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 | Regulation (EC) No 1272/2008 | % |
|---|---|---|---|
| citric acid | CAS-No.: 77-92-9<br>EC No.: 201-069-1<br>REACH Reg No.: 01-2119457026-42-0006 | Eye Irrit.2A - H319 | 1-5% |
| CENTRADET N237/9 | CAS-No.: 160901-19-9<br>EC No.: 931-954-4 | Acute Tox 4 - H302, Eye Dam. 1 - H318, Aquatic Chronic 3 - H412 | 1-5% |
| propan-2-ol | CAS-No.: 67-63-0<br>EC No.: 200-661-7<br>REACH Reg No.: 01-2119457558-25-XXXX | Eye Irrit.2A - H319, Flam. Liq 2- H225, STOT SE 3 - H336 | 1-5% |
| 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 | 1-5% |
| diphenyl ether | CAS-No.: 101-84-8<br>EC No.: 202-981-2 | Eye Irrit.2A - H319, Aquatic Chronic 2 - H411 | <0.1% |
| citral | CAS-No.: 5392-40-5<br>EC No.: 226-394-6 | Skin Irrit.2 - H315, Eye Irrit.2A - H319, Skin. Sens 1 B- H317 | <0.1% |
| benzyl acetate | CAS-No.: 140-11-4<br>EC No.: 205-399-7 | Aquatic Chronic 3 - H412 | <0.1% |
| toluene | CAS-No.: 108-88-3<br>EC No.: 203-625-9 | Flam. Liq 2- H225, Asp. Tox - H304, Skin Irrit.2 - H315, STOT SE 3 - H336, Repr. 2 - H361d, STOT RE 2 - H373 | <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** Provide general first aid, rest, warmth and fresh air. 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.

**Inhalation** Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

**Ingestion** If this product is ingested, remove victim immediately from source of exposure. Rinse mouth thoroughly. Do not induce vomiting. Provide fresh air, warmth and rest. Get medical attention. Never give anything by mouth to an unconscious person.

**Skin contact** Remove victim immediately from source of exposure. Remove contaminated clothing, shoes and jewelry and wash before reuse. Wash the skin immediately with water. Obtain medical attention if irritation persists or if blistering occurs.

**Eye contact** Do not rub eye. If this product contacts the eyes, gently flush eyes with water for at least fifteen (15) minutes, lifting the upper and lower eyelids occasionally. Remove contact lenses if present and easy to do so. Avoid contaminating unaffected eye. Seek medical attention.

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

| | |
|---|---|
| **General information** | The severity of the symptoms described will vary dependent on the concentration and the length of exposure. |
| **Inhalation** | Inhalation of mist or vapor may cause respiratory tract irritation. |
| **Ingestion** | Swallowing may result in irritation or burns of the mouth and throat. |
| **Skin contact** | Corrosive! Can cause redness, pain, and severe skin burns. |
| **Eye contact** | Causes severe eye damage. |

### 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 fire-extinguishing media appropriate for surrounding materials. Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| **Unsuitable extinguishing media** | High volume water jet. |

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

| | |
|---|---|
| **Hazardous combustion products** | During fire, toxic gases (CO, CO2) are formed. |
| **Unusual fire & explosion hazards** | Containers may burst if overheated. |
| **Specific hazards** | In the event of damage to packaging, floors may become slippery, avoid falls. Water used for fire extinguishing, which has been in contact with the product, may be corrosive. |

### 5.3 Advice for firefighters

| | |
|---|---|
| **Special fire fighting procedures** | If possible, fight fire from protected position. Avoid breathing fire vapours. Ventilate closed spaces before entering them. Containers close to fire should be removed immediately or cooled with water if safe to do so. Do not release runoff from fire to drains or watercourses. |
| **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

| | |
|---|---|
| **For non-emergency personnel** | Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Eliminate all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. In case of inadequate ventilation, use respiratory protection. Do not touch or walk through spilled material. If necessary evacuate surrounding areas. |
| **For emergency responders** | Follow safe handling advice and personal protective equipment recommendations for normal use of product. |

### 6.2 Environmental precautions

| | |
|---|---|
| **Environmental precautions** | Do not discharge onto the ground or into water courses. |

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

| | |
|---|---|
| **Spill clean up methods** | Stop leak if possible without risk. DO NOT touch spilled material! When dealing with a spillage, wear necessary protective equipment. Cover drains. Absorb spillage with non-combustible, inert absorbent material. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Wash thoroughly after dealing with a spillage. Floors may become slippery, avoid falls. |

### 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 proper personal protection when handling (refer to Section 8). Do not handle broken packages without protective equipment. Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Do not eat, drink or smoke when using the product. Wash thoroughly after handling.

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

**Storage precautions**

Keep upright, locked up and out of reach of children. Keep the product in its original container. Store in cool dry areas away from direct sunlight or sources of ignition. Keep away from incompatible materials (see section 10).

**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. Replace and tighten cap after use.

## Section 8: Exposure controls/Personal protection

### 8.1 Control parameters

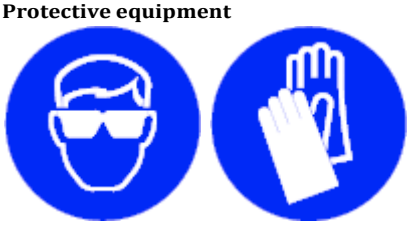
| Component | STD | TWA (8 Hrs) | | STEL (15mins) | | Notes |
|---|---|---|---|---|---|---|
| **propan-2-ol** | OEL | 200 ppm | | 400 ppm | | Sk |
| **propan-2-ol** | WEL | 400 ppm | 999 mg/m³ | 500 ppm | 1250 mg/m³ | |
| **diphenyl ether** | OEL | 1 ppm | 7 mg/m³ | 2 ppm | 14 mg/m³ | IOELV |
| **diphenyl ether** | WEL | 1 ppm | 7 mg/m³ | 2 ppm | 14 mg/m³ | |
| **citral** | OEL | 5(IFV) ppm | | | | |
| **benzyl acetate** | OEL | 10 ppm | | | | |
| **toluene** | OEL | 50 ppm | 192 mg/m³ | 100 ppm | 384 mg/m³ | Sk, IOELV |
| **toluene** | WEL | 50 ppm | 191 mg/m³ | 100 ppm | 384 mg/m³ | Sk |

**Ingredient comments**

WEL - Workplace Exposure Limits - EH40/2005 Workplace exposure limits. Ireland, Occupational Exposure Limits 2020.

### 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**

Not normally required if good ventilation is maintained. If ventilation is inadequate, suitable respiratory protection must be worn. EN 136/140/145/143/149. The specific respirator selected must be based on contamination levels found in the work place. Where risk assessment shows air-purifying respirators are appropriate a full face respirator conforming to EN143 should be used, and suitable respirator cartridges as a backup to engineering controls. Use respiratory protective components with combined A/B/E/KP filter(s) for organic/inorganic/acid/ammonia and particulates. Consult manufacturer for specific advice.

**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). Gloves must be inspected prior to use. Suggested material: Nitrile. Minimum layer thickness: 0.7mm. Breakthrough time: >480 minutes. Consult manufacturer for advice.
Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

| | |
|---|---|
| **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** | The selected clothing must satisfy the European norm standard EN 943. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handing this product. |
| **Hygiene measures** | Observe normal hygiene standards. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke. Wash hands after use. |
| **Process conditions** | 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** | Clear liquid. |
| **Colour** | Dark blue. |
| **Odour** | Characteristic. |
| **Odour threshold - lower** | No information available as testing has not been completed. |
| **Odour threshold - upper** | No information available as testing has not been completed. |
| **pH-Value, Conc. Solution** | 2 - 3 |
| **pH-Value, Diluted solution** | Not applicable as the product is a concentrated solution. |
| **Melting point** | No information available as testing has not been completed. |
| **Initial boiling point and boiling range** | No information available as testing has not been completed. |
| **Flash point** | >62°C |
| **Evaporation rate** | No information available as testing has not been completed. |
| **Flammability state** | The product is not flammable. |
| **Flammability limit - lower(%)** | Not applicable as the product is not flammable. |
| **Flammability limit - upper(%)** | Not applicable as the product is not flammable. |
| **Vapour pressure** | No information available as testing has not been completed. |
| **Vapour density (air=1)** | No information available as testing has not been completed. |
| **Relative density** | 1.01 - 1.03 kg/l (at 20°C) |
| **Bulk density** | Not applicable as the product is a liquid. |
| **Solubility** | Soluble in water. |
| **Decomposition temperature** | No information available as testing has not been completed. |
| **Partition coefficient; n-Octanol/Water** | No information available as testing has not been completed. |
| **Auto ignition temperature (°C)** | Not applicable as the product is not flammable. |
| **Viscosity** | No information available as testing has not been completed. |
| **Explosive properties** | Not classified as explosive. |
| **Oxidising properties** | The product does not meet the criteria to be classified as oxidising. |

### 9.2 Other information

| | |
|---|---|
| **Molecular weight** | Not applicable as the product is a mixture. |
| **Volatile organic compound** | No information available as testing has not been completed. |

**Other information** None noted.

## Section 10: Stability and reactivity

### 10.1 Reactivity

**Reactivity** Reaction with: Strong oxidising agents. Reaction with strong bases.

### 10.2 Chemical stability

**Stability** Stable under normal temperature conditions and recommended use.

### 10.3 Possibility of hazardous reactions

**Hazardous reactions** Avoid strong oxidizers. Reacts with alkali and bases.
**Hazardous polymerisation** Will not polymerise.
**Polymerisation description** Not applicable.

### 10.4 Conditions to Avoid

**Conditions to avoid** Heat, sparks, open flames, temperature extremes and direct sunlight.

### 10.5 Incompatible materials

**Materials to avoid** Do not mix with other chemicals unless listed on directions. Avoid contact with oxidising agents, strong alkalis, and strong acids.

### 10.6 Hazardous decomposition products

**Hazardous decomposition products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

**Toxicological information** No toxicological information for the overall finished product.

**Acute toxicity (Oral LD50)** No information available as testing has not been completed.
**Acute toxicity (Dermal LD50)** No information available as testing has not been completed.
**Acute toxicity (Inhalation LD50)** No information available as testing has not been completed.

**Serious eye damage/irritation** Causes severe eye damage.

**Skin corrosion/irritation** The product is classified as a skin corrosion/irritation hazard.

**Respiratory sensitisation** The product is not classified as a respiratory hazard.
**Skin sensitisation** The product is not classified as a skin sensitisation hazard.

**Germ cell mutagenicity** The product is not classified as a mutagen.

**Carcinogenicity** The product is not classified as a carcinogen hazard.

**Specific target organ toxicity - Single exposure:**
**STOT - Single exposure** The product is not classified as a single exposure specific target organ toxin.
**Specific target organ toxicity - Repeated exposure:**
**STOT - Repeated exposure** The product is not classified as a repeat exposure specific target organ toxin.

**Inhalation** Inhalation of mist or vapor may cause respiratory tract irritation.
**Ingestion** Swallowing may result in irritation or burns of the mouth and throat.
**Skin contact** Corrosive! Can cause redness, pain, and severe skin burns.
**Eye contact** Causes severe eye damage.
**Waste management** When handling waste, consideration should be made to the safety precautions applying to handling of the product.

**Routes of entry** Eyes, skin, ingestion or inhalation.
**Target organs** Eyes, skin, digestive system, respiratory system.

**Aspiration hazards:** The product is not classified as an aspiration hazard.
**Reproductive toxicity:** The product is not classified as a reproductive hazard.

| Name | LD50 oral | LD50 dermal | LD50 inhalation |
|---|---|---|---|
| Benzyl-C12-14-alkyldimethylammonium chlorides | 397.50mg/kg Rat | 3412.00mg/kg Rabbit | |
| citric acid | 5400.00mg/kg Mouse | >2000.00mg/kg Rat | |
| propan-2-ol | 5045.00mg/kg Rat | | |
| CENTRADET N237/9 | >300.00mg/kg Rat | >2000.00mg/kg Rabbit | |
| toluene | 5580.00mg/kg Rat | | >20.00mg/l (vapours) Rat 4 Hours |

## Section 12: Ecological information

### 12.1 Toxicity

**Acute toxicity - Fish** No information available as testing has not been completed.
**Acute toxicity - Aquatic invertebrates** No information available as testing has not been completed.
**Acute toxicity - Aquatic plants** No information available as testing has not been completed.
**Acute toxicity - Microorganisms** No information available as testing has not been completed.
**Chronic toxicity - Fish** No information available as testing has not been completed.
**Chronic toxicity - Aquatic invertebrates** No information available as testing has not been completed.
**Chronic toxicity - Aquatic plants** No information available as testing has not been completed.
**Chronic toxicity - Microorganisms** No information available as testing has not been completed.
**Ecotoxicity** The product contains a substance which is harmful to aquatic life with long lasting effects.
**Eco toxilogical information** The product contains a substance which is harmful to aquatic organisms. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

### 12.2 Persistence and degradability

**Degradability** The degradability of the product has not been stated.
**Biological oxygen demand** No information available as testing has not been completed.
**Chemical oxygen demand** No information available.

### 12.3 Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.
**Bioaccumulation factor** No information available as testing has not been completed.
**Partition coefficient; n-Octanol/Water** No information available as testing has not been completed.

### 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** None known.

| Name | Acute toxicity (Fish) | Acute toxicity (Aquatic invertebrates) | Acute toxicity (Aquatic plants) |
|---|---|---|---|
| citric acid | LC50 48 Hours 440.00mg/l Freshwater Fish | | |
| CENTRADET N237/9 | | EC50 48 Hours 1.00mg/l Daphnia magna | |
| toluene | LC50 5.50ppm Freshwater Fish | | |

## Section 13: Disposal considerations

**Waste management** 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. |

## 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. (Benzyl-C12-14-alkyldimethylammonium chlorides) |
| **IMDG proper shipping name** | CORROSIVE LIQUID, N.O.S. (Benzyl-C12-14-alkyldimethylammonium chlorides) |
| **IATA proper shipping name** | CORROSIVE LIQUID N.O.S. (Benzyl-C12-14-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** | III |
| **IMDG packing group** | III |
| **IATA packing group** | III |

**14.5 Environmental hazards**

| | |
|---|---|
| **ADR** | No |
| **IMDG** | No |
| **IATA** | No |

**14.6 Special precautions for user**

| | |
|---|---|
| **EMS** | F-A, S-B |
| **Emergency action code** | A3 A803 |
| **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. Commission Regulation (EU) 2019/1691 of 9 October 2019 amending Annex V to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) |
| **Approved code of practice** | Workplace Exposure Limits Guidance Note EH40/2005.<br><br>2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019) |

| | |
|---|---|
| **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 a third issue. [2]Information updated. [7]Information updated. [8]Information updated. [9]Information updated. [11]Information updated. [12]Information updated. [14]Information updated. [15]Information updated. |
| **Revision date** | 19 November 2020 |
| **Supersedes date** | 18 December 2019 |
| **Revision** | 3 |
| **Safety data sheet status** | Approved. |

**Hazard statements in full**

| | |
|---|---|
| **H319** | Causes serious eye irritation. |
| **H302** | Harmful if swallowed. |
| **H318** | Causes serious eye damage. |
| **H412** | Harmful to aquatic life with long lasting effects. |
| **H225** | Highly flammable liquid and vapour. |
| **H336** | May cause drowsiness or dizziness. |
| **H314** | Causes severe skin burns and eye damage. |
| **H400** | Very toxic to aquatic life. |
| **H410** | Very toxic to aquatic life with long lasting effects. |
| **H226** | Flammable liquid and vapour. |
| **H315** | Causes skin irritation. |
| **H317** | May cause an allergic skin reaction. |
| **H411** | Toxic to aquatic life with long lasting effects. |
| **H413** | May cause long lasting harmful effects to aquatic life. |
| **H361** | Suspected of damaging fertility or the unborn child . |
| **H201** | Explosive; mass explosion hazard. |
| **H351** | Suspected of causing cancer . |
| **H301** | Toxic if swallowed. |
| **H311** | Toxic in contact with skin. |
| **H331** | Toxic if inhaled. |
| **H304** | May be fatal if swallowed and enters airways. |
| **H228** | Flammable solid. |
| **H316** | Causes mild skin irritation. |
| **H373** | May cause damage to organs through prolonged or repeated exposure . |

**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.