



Be Right™

# SAFETY DATA SHEET

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Issue Date 18-04-2005

Revision Date 26-Oct-2023

Version 4.6

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

**Product Code(s)** LCK341-1  
**Product Name** LCK 341 Nitrit/Nitrite, Sample cuvette; 1/2  
**Unique Formula Identifier (UFI)** CDY5-3F4K-S80D-UWVJ

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

**Recommended Use** Water Analysis. Determination of nitrite. Laboratory Reagent.  
**Uses advised against** Consumer use

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

#### Supplier

HACH UK  
Laser House  
Ground Floor, Suite B  
Waterfront Quay, Salford Quays  
GB - Manchester, M50 3XW  
Tel. +44 (0) 161 872 1487  
info-uk@hach.com

HACH Ireland  
Unit 34 GB Business Park  
Little Island  
IRL-Co. Cork  
T45 H681  
Tel. +353 (0)146 02 522  
info-ie@hach.com

### 1.4. Emergency telephone number

UK: Chemtrec: +44 20 3807 3798  
IE: National Poisons Information Centre (NPIC) 01 809 2566 (24/7)

## Section 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

|  |                     |
|--|---------------------|
| <b>Skin corrosion/irritation</b>         | Category 2 - (H315) |
| <b>Serious eye damage/eye irritation</b> | Category 2 - (H319) |

### 2.2. Label elements

Regulation (EC) No 1272/2008

Contains Citric acid



### Signal word

Warning

### Hazard statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

### Precautionary statements

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P302 + P352 - IF ON SKIN: Wash with plenty of soap and 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

P337 + P313 - If eye irritation persists: Get medical advice/attention

### 2.3. Other hazards

No information available.

#### PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT)

This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

#### Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors.

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixtures

| Chemical name | CAS No.<br>EC No.<br>Index No. | Weight-% | Classification<br>according to<br>Regulation (EC)<br>No. 1272/2008<br>[CLP] | Specific<br>concentration<br>limit (SCL) | M-Factor | M-Factor<br>(long-term) |
|---------------|--------------------------------|----------|---|--|----------|-------------------------|
| Water         | 7732-18-5<br>231-791-2<br>-    | 70 - 80% | Not classified  |  | -        | -                       |

| Chemical name           | CAS No.<br>EC No.<br>Index No. | Weight-% | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|-------------------------|--------------------------------|----------|---|------------------------------------|----------|----------------------|
| Citric acid monohydrate | 5949-29-1<br>-<br>-            | 10-<20%  | Skin Irrit. 2 - H315<br>Eye Irrit. 2 - H319<br>STOT SE 3 - H335 |                                    | -        | -                    |

| Chemical name | REACH registration number |
|---------------|---------------------------|
| Citric acid   | 01-2119457026-42-xxxx     |

**Full text of H- and EUH-phrases: see section 16**

Acute Toxicity Estimate No information available

| Chemical name                        | Oral LD50  | Dermal LD50   | Inhalation LC50 - 4 hour - dust/mist - mg/L | Inhalation LC50 - 4 hour - vapour - mg/L | Inhalation LC50 - 4 hour - gas - ppm |
|--------------------------------------|------------|---------------|---|--|--------------------------------------|
| Citric acid monohydrate<br>5949-29-1 | 3000 mg/kg | > 2000 mg/kg  | None reported                               | None reported                            | None reported                        |
| Chlorhexidine<br>55-56-1             | 9200 mg/kg | None reported | None reported                               | None reported                            | None reported                        |

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

|   |   |
|---|---|
| <b>General advice</b>                     | Take off contaminated clothing and shoes immediately. IF exposed or concerned: Get medical advice/attention.  |
| <b>Inhalation</b>                         | Remove to fresh air. If symptoms persist, call a doctor.  |
| <b>Eye contact</b>                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. Do not rub affected area. |
| <b>Skin contact</b>                       | Wash off immediately with plenty of water for at least 15 minutes. In the case of skin irritation or allergic reactions see a doctor.   |
| <b>Ingestion</b>                          | Rinse mouth. Call a doctor.   |
| <b>Self-protection of the first aider</b> | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).   |

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

**Symptoms** Irritating.

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

**Note to doctors** Treat symptomatically.

## Section 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** No information available.

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

**Specific hazards arising from the chemical** Fire may produce irritating, corrosive and/or toxic gases.

**Hazardous combustion products** This material will not burn.

### 5.3. Advice for firefighters

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**Additional information** Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## Section 6: ACCIDENTAL RELEASE MEASURES

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

**Personal precautions** Ensure adequate ventilation. Evacuate personnel to safe areas. Do not breathe dust/fume/gas/mist/vapours/spray.

**For emergency responders** Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information. Do not flush into surface water or sanitary sewer system.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

### 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## Section 7: HANDLING AND STORAGE

**7.1. Precautions for safe handling**

|                                       |   |
|---------------------------------------|---|
| <b>Advice on safe handling</b>        | Avoid contact with skin and eyes. Ensure adequate ventilation.  |
| <b>General hygiene considerations</b> | Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Barrier creams may help to protect the exposed areas of skin. |

**7.2. Conditions for safe storage, including any incompatibilities**

|                           |  |
|---------------------------|--|
| <b>Storage Conditions</b> | Keep containers tightly closed in a dry, cool and well-ventilated place. |
|---------------------------|--|

**7.3. Specific end use(s)**

|                                      |  |
|--------------------------------------|--|
| <b>Specific use(s)</b>               | Laboratory Reagent.  |
| <b>Risk Management Methods (RMM)</b> | The information required is contained in this Safety Data Sheet. |

|   |
|---|
| <b>Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION</b> |
|---|

**8.1. Control parameters****Exposure Limits**

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

**Additional information** No information available.

**8.2. Exposure controls**

**Engineering controls** Technical measures and appropriate working operations should be given priority over the use of personal protective equipment. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Personal protective equipment  
Eye/face protection**

Wear safety glasses with side shields (or goggles).

**Hand protection**

Barrier creams may help to protect the exposed areas of skin. Gloves must be inspected prior to use. The selected protective gloves have to satisfy the specifications of EU Directive 2016/425 and the standard EN 374-1:2016 derived from it. Chemical resistant gloves made of butyl rubber or nitrile rubber category III acco.

| Gloves               |                                       |                 |                    |
|----------------------|---------------------------------------|-----------------|--------------------|
| Duration of contact  | PPE - Glove material                  | Glove thickness | Break through time |
| Short term           | Wear protective nitrile rubber gloves | 0,40 mm         | >30 minutes        |
| Long term (repeated) | Wear protective Viton™ gloves         | 0,70 mm         | >480 minutes       |

**Skin and body protection** Wear suitable protective clothing. Long sleeved clothing.

|  |   |
|--|---|
| <b>Respiratory protection</b>          | Ensure adequate ventilation. No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Wear breathing apparatus if exposed to vapours/dusts/aerosols.    |
| <b>General hygiene considerations</b>  | Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Take off all contaminated clothing and wash it before reuse. Barrier creams may help to protect the exposed areas of skin. |
| <b>Environmental exposure controls</b> | Do not allow into any sewer, on the ground or into any body of water.   |

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

**Physical state** Liquid

**Colour** colourless

**Odour** None

**Odour threshold** No data available

| <u>Property</u>  | <u>Values</u>                            | <u>Remarks • Method</u> |
|--|--|-------------------------|
| <b>Molecular weight</b>                                | No data available                        |                         |
| <b>pH</b>  | 2.5                                      | @ 20 °C                 |
| <b>Melting point / freezing point</b>                  | ~ -3 °C / 26.6 °F                        |                         |
| <b>Initial boiling point and boiling range</b>         | ~ 101 °C / 213.8 °F                      |                         |
| <b>Evaporation rate</b>                                | 1.14 (water = 1)                         |                         |
| <b>Vapour pressure</b>                                 | 23.102 mm Hg / 3.08 kPa at 25 °C / 77 °F |                         |
| <b>Relative vapor density</b>                          | 0.62                                     |                         |
| <b>Partition coefficient</b>                           | Not applicable                           |                         |
| <b>Soil Organic Carbon-Water Partition Coefficient</b> | Not applicable                           |                         |
| <b>Autoignition temperature</b>                        | No data available                        |                         |
| <b>Decomposition temperature</b>                       | No data available                        |                         |
| <b>Dynamic viscosity</b>                               | No data available                        |                         |
| <b>Kinematic viscosity</b>                             | No data available                        |                         |
| <b>Relative density</b>                                | 1.00 g/mL                                | @ 20 °C                 |

### Solubility(ies)

#### Water solubility

| <u>Water solubility classification</u> | <u>Water solubility</u> | <u>Water Solubility Temperature</u> |
|--|-------------------------|-------------------------------------|
| Soluble                                | > 1000 mg/L             | 25 °C / 77 °F                       |

**Solubility in other solvents**

| <u>Chemical Name</u> | <u>Solubility classification</u> | <u>Solubility</u> | <u>Solubility Temperature</u> |
|----------------------|----------------------------------|-------------------|-------------------------------|
| None reported        | No information available         | No data available | No information available      |

**Metal Corrosivity**

|                                |                   |
|--------------------------------|-------------------|
| <b>Steel Corrosion Rate</b>    | No data available |
| <b>Aluminum Corrosion Rate</b> | No data available |

**Explosive properties**

|                              |                   |
|------------------------------|-------------------|
| <b>Upper explosion limit</b> | No data available |
| <b>Lower explosion limit</b> | No data available |

**Flammable properties**

|                    |                   |
|--------------------|-------------------|
| <b>Flash point</b> | No data available |
|--------------------|-------------------|

**Flammability**

|                                  |                   |
|----------------------------------|-------------------|
| <b>Upper flammability limit:</b> | No data available |
| <b>Lower flammability limit</b>  | No data available |

**Oxidising properties** No data available.

**Bulk density** No data available

**9.2. Other information**

No information available.

## Section 10: STABILITY AND REACTIVITY

**10.1. Reactivity**

**Reactivity** No information available.

**10.2. Chemical stability**

**Stability** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

**Hazardous polymerisation** None under normal processing.

**10.4. Conditions to avoid**

**Conditions to avoid** Extremes of temperature and direct sunlight.

**10.5. Incompatible materials**

**Incompatible materials** Oxidising agent.

**10.6. Hazardous decomposition products**

**Hazardous Decomposition Products** None under normal use conditions. Carbon dioxide. Carbon monoxide.

## Section 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### **Acute toxicity**

Based on available data, the classification criteria are not met

Mixture No data available.

Substance Test data reported below.

#### **Oral Exposure Route:**

| Chemical name           | Endpoint type        | Reported dose | Exposure time | Toxicological effects | Key literature references and sources for data |
|-------------------------|----------------------|---------------|---------------|-----------------------|--|
| Citric acid monohydrate | Rat LD <sub>50</sub> | 3000 mg/kg    | None reported | None reported         | IUCLID   |
| Chlorhexidine           | Rat LD <sub>50</sub> | 9200 mg/kg    | None reported | None reported         | No information available                       |

#### **Dermal Exposure Route:**

| Chemical name           | Endpoint type        | Reported dose | Exposure time | Toxicological effects | Key literature references and sources for data |
|-------------------------|----------------------|---------------|---------------|-----------------------|--|
| Citric acid monohydrate | Rat LD <sub>50</sub> | > 2000 mg/kg  | None reported | None reported         | Vendor SDS                                     |

**Acute Toxicity Estimate (ATE)** Not applicable

#### **Unknown acute toxicity**

0 % of the mixture consists of ingredient(s) of unknown toxicity.

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour)

0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

#### **Skin corrosion/irritation**

Classification based on data available for ingredients. Irritating to skin.

Mixture No data available.

Substance Test data reported below.

| Chemical name                  | Test method  | Species | Reported dose | Exposure time | Results            | Key literature references and sources for data |
|--------------------------------|--------------|---------|---------------|---------------|--------------------|--|
| Citric acid monohydrate        | Draize Test  | Rabbit  | 500 mg        | 24 hours      | Data Source        | RTECS  |
| Phosphoric acid, disodium salt | Draize Test  | Rabbit  | 500 mg        | 24 hours      | Skin irritant      | RTECS  |
| Chlorhexidine                  | EpiDerm Skin | Human   | 1.5 mg        | 3 days        | Mild skin irritant | OECD 429: Skin                                 |



|  |                                    |  |  |  |  |                                       |
|--|------------------------------------|--|--|--|--|---------------------------------------|
|  | Model (Directive 2000/33/EC, B.27) |  |  |  |  | Sensitization: Local Lymph Node Assay |
|--|------------------------------------|--|--|--|--|---------------------------------------|

**Serious eye damage/eye irritation**

Classification based on data available for ingredients. Irritating to eyes.

Mixture No data available.

Substance Test data reported below.

| Chemical name                  | Test method | Species | Reported dose | Exposure time | Results      | Key literature references and sources for data |
|--------------------------------|-------------|---------|---------------|---------------|--------------|--|
| Citric acid monohydrate        | Draize Test | Rabbit  | 0.750 mg      | 24 hours      | Data Source  | RTECS  |
| Phosphoric acid, disodium salt | Draize Test | Rabbit  | 500 mg        | 24 hours      | Eye irritant | RTECS  |

**Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.

Mixture No data available.

Substance No data available.

**STOT - single exposure**

Based on available data, the classification criteria are not met.

Mixture No data available.

Substance No data available.

| Chemical name           | Endpoint type | Reported dose | Exposure time | Toxicological effects | Key literature references and sources for data |
|-------------------------|---------------|---------------|---------------|-----------------------|--|
| Citric acid monohydrate | Guinea pig    | None reported | None reported | Cough                 | ECHA   |

**STOT - repeated exposure**

Based on available data, the classification criteria are not met.

Mixture No data available.

Substance No data available.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

Mixture invitro **Data** No data available.

Substance invitro **Data** No data available.

Mixture invivo **Data** No data available.

Substance invivo **Data** No data available.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

Mixture No data available.

Substance No data available.

#### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

Mixture No data available.

Substance Test data reported below.

#### **Oral Exposure Route:**

| Chemical name | Endpoint type          | Reported dose | Exposure time | Toxicological effects   | Key literature references and sources for data |
|---------------|------------------------|---------------|---------------|---|--|
| Chlorhexidine | Mouse TD <sub>Lo</sub> | 1680 mg/kg    | None reported | Female fertility index (e.g. # females pregnant per # sperm positive females; # females pregnant per # females mated) | No information available                       |

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

#### **11.2. Information on other hazards**

Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice.

##### **11.2.1. Endocrine disrupting properties**

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors.

##### **11.2.2. Other information**

**Other adverse effects** No information available.

## Section 12: ECOLOGICAL INFORMATION

#### **12.1. Toxicity**

**Ecotoxicity** Based on available data, the classification criteria are not met.

**Unknown aquatic toxicity** Contains 0 % of components with unknown hazards to the aquatic environment.

#### **Mixture**

**Acute aquatic toxicity:** No data available.

**Aquatic Chronic Toxicity:** No data available.

#### **Substance**

**Acute aquatic toxicity:** No data available.

**Aquatic Chronic Toxicity:** No data available.

#### **12.2. Persistence and degradability**

**Mixture** No data available.

#### **12.3. Bioaccumulative potential**

**Mixture:** No data available.

Partition coefficient Not applicable

#### **12.4. Mobility in soil**

Soil Organic Carbon-Water Partition Coefficient Not applicable

#### **12.5. Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

| Chemical name                  | PBT and vPvB assessment         |
|--------------------------------|---------------------------------|
| Citric acid monohydrate        | The substance is not PBT / vPvB |
| Phosphoric acid, disodium salt | PBT assessment does not apply   |
| Chlorhexidine                  | PBT assessment does not apply   |

#### **12.6. Endocrine disrupting properties**

Endocrine Disruptor Information: This product does not contain any known or suspected endocrine disruptors

#### **12.7. Other adverse effects**

No information available.

Ozone: Not applicable

Ozone depletion potential (ODP): No information available

### **Section 13: DISPOSAL CONSIDERATIONS**

#### **13.1. Waste treatment methods**

##### **Advice on Disposal**

**Waste from residues/unused products** Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. Our local agencies will accept used cuvettes to ensure their proper disposal.

##### **Waste disposal number of waste from residues/unused products**

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste.

##### **Waste disposal number of used product**

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste.

**Contaminated packaging** No information available.

**Other Information** Do not reuse empty containers.

### **Section 14: TRANSPORT INFORMATION**

**ADR**

|                                   |                |
|-----------------------------------|----------------|
| 14.1 UN number or ID number       | Not regulated  |
| 14.2 UN proper shipping name      | Not regulated  |
| 14.3 Transport hazard class(es)   | Not regulated  |
| 14.4 Packing Group                | Not regulated  |
| 14.5 Environmental hazards        | Not applicable |
| 14.6 Special precautions for user |                |
| Special Provisions                | None           |

**IATA**

|                                   |                |
|-----------------------------------|----------------|
| 14.1 UN number or ID number       | Not regulated  |
| 14.2 UN proper shipping name      | Not regulated  |
| 14.3 Transport hazard class(es)   | Not regulated  |
| 14.4 Packing group                | Not regulated  |
| 14.5 Environmental hazards        | Not applicable |
| 14.6 Special precautions for user |                |
| Special Provisions                | None           |

**IMDG**

|  |                          |
|--|--------------------------|
| 14.1 UN number or ID number                                  | Not regulated            |
| 14.2 UN proper shipping name                                 | Not regulated            |
| 14.3 Transport hazard class(es)                              | Not regulated            |
| 14.4 Packing Group   | Not regulated            |
| 14.5 Environmental hazards                                   | Not applicable           |
| 14.6 Special precautions for user                            |                          |
| Special Provisions   | None                     |
| 14.7 Maritime transport in bulk according to IMO instruments | No information available |

**Additional information**

Not applicable

**Section 15: REGULATORY INFORMATION****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Persistent Organic Pollutants            Not applicable

**Dangerous substance category per Seveso Directive (2012/18/EU)**

• Non-controlled

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**Germany**

Water hazard class (WGK)            slightly hazardous to water (WGK 1)

| Chemical name            | French RG number         | Title |
|--------------------------|--------------------------|-------|
| Chlorhexidine<br>55-56-1 | RG 66<br>RG 15bis, RG 74 | -     |

**International Inventories**

|                      |          |
|----------------------|----------|
| <b>EINECS/ELINCS</b> | Complies |
| <b>TSCA</b>          | Complies |
| <b>DSL/NDSL</b>      | Complies |
| <b>ENCS</b>          | Complies |
| <b>IECSC</b>         | Complies |
| <b>KECL</b>          | Complies |
| <b>PICCS</b>         | Complies |
| <b>AICS</b>          | Complies |

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**15.2. Chemical safety assessment**

**Chemical Safety Report** Chemical safety assessments for substances in this mixture were not carried out.

|                                      |
|--------------------------------------|
| <b>Section 16: OTHER INFORMATION</b> |
|--------------------------------------|

|                      |                                  |
|----------------------|----------------------------------|
| <b>Issue Date</b>    | 18-04-2005                       |
| <b>Revision Date</b> | 26-Oct-2023                      |
| <b>Revision Note</b> | updated SDS sections:<br>3<br>11 |

**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend**

|         |  |
|---------|--|
| **      | Hazard Designation   |
| ADN     | Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieure |
| ADR     | European Agreement concerning the International Carriage of Dangerous Goods by Road                                |
| ATE     | Acute Toxicity Estimate  |
| CAS     | Chemical Abstracts Service Number  |
| Ceiling | Maximum limit value  |
| CLP     | Classification, Labelling and Packaging of substances and mixtures [Regulation (EC) No. 1272/2008]                 |
| DNEL    | Derived No Effect Level (DNEL)   |
| EC      | European Community   |

|          |   |
|----------|---|
| ECHA     | ECHA (The European Chemicals Agency)  |
| EC50     | Effective Concentration to 50% of a test population   |
| EEC      | European Economic Community   |
| EN       | European Standard   |
| IMDG     | International Maritime Dangerous Goods (IMDG)   |
| IATA     | International Air Transport Association (IATA)  |
| IATA-DGR | International Air Transport Association - Dangerous Goods Regulations   |
| ICAO     | International Civil Aviation Organization   |
| ICAO-TI  | International Civil Aviation Organization - Technical Instructions  |
| IUCLID   | IUCLID (The International Uniform Chemical Information Database)  |
| GHS      | Globally Harmonized System of Classification and Labelling of Chemicals   |
| LOAEL    | Lowest observed adverse effect level  |
| LOAEC    | Lowest observed adverse effect concentration  |
| LC50     | Lethal Concentration to 50% of a test population  |
| LD50     | Lethal Dose to 50% of a test population (Median Lethal Dose)  |
| LOLI     | LOLI (List of Lists - An International Chemical Regulatory Database)  |
| MAK      | Maximale Arbeitsplatz-Konzentration, a German expression corresponding to threshold limit value, which relates to safe daily exposure levels to chemical substances |
| NOAEL    | NOAEL (No observed adverse effect level)  |
| NOAEC    | No observed adverse effect concentration  |
| OSHA     | OSHA (Occupational Safety and Health Administration of the US Department of Labour)   |
| PEC      | Predicted Effect Concentration  |
| PNEC     | Predicted No Effect Concentration (PNEC)  |
| PBT      | Persistent, Bioaccumulative, and Toxic (PBT) Chemicals  |
| REACH    | Registration, Evaluation, Authorisation and Restriction of Chemicals [Regulation (EC) No. 1907/2006]  |
| RTECS    | RTECS (Registry of Toxic Effects of Chemical Substances)  |
| TWA      | TWA (time-weighted average)   |
| SKN*     | Skin designation  |
| SKN+     | Skin sensitisation  |
| STEL     | STEL (Short Term Exposure Limit)  |
| STOT     | Specific Target Organ Toxicity  |
| STOT RE  | Specific target organ toxicity — repeated exposure  |
| STOT SE  | Specific target organ toxicity — single exposure  |
| SVHC     | Substances of Very High Concern   |
| TLV      | Threshold Limit Value   |
| TRGS     | Technical rules for hazardous substances, Germany   |
| TSCA     | Toxic Substances Control Act  |
| UN       | United Nations  |
| vPvB     | very persistent and very bioaccumulative  |
| VOC      | Volatile organic compounds  |
| AwSV     | Administrative regulation of water polluting substances, Germany  |

**Key literature references and sources for data**

See Section 11: TOXICOLOGICAL INFORMATION

See Section 12: ECOLOGICAL INFORMATION

**Classification procedure****Full text of H-Statements referred to under section 3**

H315 - Causes skin irritation

H319 - Causes serious eye irritation

**Training Advice**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Restrictions on use**

For Laboratory Use Only.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**End of Safety Data Sheet**