# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

**Revision date** 02-Sep-2021 **Revision Number** 2.01

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

### 1.1. Product identifier

**Product Code(s)** 000049-5400026

**Product-ID** 000049

**AD number** 1675

**Product Name** NK 21:21

**Item**
101015614C701 --- 600KG BB IT --- NK 21:21
101005614C701 --- 600KG BB IT --- NK 21:21
1010137222701 --- 2000LB BB --- NK 21-21
1010116797601 --- 50KG --- NK 21:21
1010116771701 --- BB --- NK 21:21
1010116759201 --- BULK --- NK 21:21
1010016797601 --- 50KG --- NK 21:21
1010016771701 --- BB --- NK 21:21
1010016759201 --- BULK --- NK 21:21

**Synonyms** NK 21:21

**Pure substance/mixture** Mixture

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

**Recommended use** Fertilisers, Industrial, Professional.

**Uses advised against** Consumer use

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

**Manufacturer**
Nevinnomyssky Azot JSC
1 Nizyaeva str.,
Nevinnomysk, Stavropol Territory,
357107, Russia
Tel. + 7 (86554) 4-42-40
E-mail: nevinazot@eurochem.ru

**Supplier**
EuroChem Trading GmbH
Baarerstrasse 37
CH-6300 Zug - Switzerland
Phone +41 (0)41 727 1600
Fax +41 (0)41 727 7606

**Only Representative**
AB "LIFOSA"
Juodkiškio 50
LT-57502 Kėdainiai
Lithuania
phone +370 347 66483
E-mail: info@lifosa.com

**Responsibility Statement** For further information, please contact

**E-mail address** ra.sds@eurochemgroup.com

### 1.4. Emergency telephone number

**Emergency Telephone** CHEMTREC +1-703-527-3887 (English only)

| **Emergency Telephone - §45 - (EC)1272/2008** | |
|---|---|
| **Europe** | **112** |
| **Bulgaria** | CHEMTREC<br>+359 32 570 104 (Plovdiv) |
| **Croatia** | Poison Control CentreTel: (+385)-1-23-48-342 |
| **Estonia** | National emergency telephone number: 112 or information telephone number: 16662, from abroad: (+372)-626-93-90 |
| **Finland** | Poison Information Centre,Tel.: (09)-471-977 (direct) or (09)-4711; |
| **Ireland** | National Poisons Information Centre (NPIC) provides a 24 hour<br>+353 1 809 2166 (consumer)<br>+353 1 8092566 (professionals) |
| **Latvia** | Valsts Toksikoloģijas centra Saindēšanās un zāļu informācijas centrs<br>Tel.: (+371)-67042473 |
| **Lithuania** | Sveikatos apsaugos ministerijos ekstremalių sveikatai situacijų centras :<br>(+370)-5-236-20-52, (+370)-687-53378 |
| **Luxembourg** | 8002-5500 |
| **Norway** | Nødnummer: +47 - 22 59 13 00 |
| **Slovenia** | CHEMTREC<br>+386 1 888 80 16 (Ljubljana) |
| **Sweden** | Giftinformationscentralen / Öppettider 24 h<br>- begär Giftinformation<br>+46 10 456 6700 (Fran utlandet) |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

*Regulation (EC) No 1272/2008*

| | |
|---|---|
| **Serious eye damage/eye irritation** | Category 2 - (H319) |

### 2.2. Label elements

**Signal word**
Warning

**Hazard statements**
H319 - Causes serious eye irritation

**Precautionary Statements - EU (§28, 1272/2008)**
P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear eye protection/ face protection
P337 + P313 - If eye irritation persists: Get medical advice/attention

### 2.3. Other hazards

May be harmful if swallowed.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

| Chemical name | Weight-% | REACH registration number | EC No | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) |
|---|---|---|---|---|---|---|---|
| Ammonium chloride 12125-02-9 | 10-<25 | 01-2119489385-24-0001 | 235-186-4 | Acute Tox. 4 (H302) Eye Irrit. 2 (H319) | - | - | - |
| Ammonium nitrate 6484-52-2 | 10-<25 | 01-2119490981-27-0010 | 229-347-8 | Eye Irrit. 2 (H319) Ox. Sol. 3 (H272) | - | - | - |

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

*Acute Toxicity Estimate*
*No information available*

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General advice** Show this safety data sheet to the doctor in attendance.

**Inhalation** Remove to fresh air.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.

**Skin contact** Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.

**Ingestion** Clean mouth with water and drink afterwards plenty of water. Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

**Self-protection of the first aider** 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** May cause redness and tearing of the eyes. Burning sensation.

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

**Note to doctors** Delayed pulmonary edema may occur. Dust contact with the eyes can lead to mechanical irritation. Symptoms may be delayed. Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable Extinguishing Media** Water spray or fog. Dry sand.

**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

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

**Specific hazards arising from the chemical** May emit toxic fumes under fire conditions.

**Hazardous combustion products** Carbon oxides. Ammonia. Nitrogen oxides (NOx).

### 5.3. Advice for firefighters

**Special protective equipment and precautions for fire-fighters** Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Substance will react with water (some violently) releasing flammable, toxic or corrosive gases and run-off. DO NOT GET WATER INSIDE CONTAINERS. Vapours may be irritating to eyes, nose, throat, and lungs. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

## SECTION 6: Accidental release measures

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

**Personal precautions** Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Other information** Refer to protective measures listed in Sections 7 and 8.

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

### 6.2. Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

### 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** 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

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

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

**Storage Conditions** Avoid prolonged contact with eyes, skin, and clothing. Avoid prolonged exposure to heat and air. Keep containers tightly closed in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

**Specific use(s)**
Fertiliser. Keep out of reach of children. Keep persons and animals off treated areas. Keep away from food, drink and animal feedingstuffs. Protect from direct contact with water or excessive moisture.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**Other information**
No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Exposure Limits**

| Chemical name | European Union | Austria | Belgium | Bulgaria | Croatia |
|---|---|---|---|---|---|
| Ammonium chloride<br>12125-02-9 | - | - | - | TWA: 10.0 mg/m³ | TWA: 10 mg/m³<br>STEL: 20 mg/m³ |
| **Chemical name** | **Cyprus** | **Czech Republic** | **Denmark** | **Estonia** | **Finland** |
| Ammonium chloride<br>12125-02-9 | - | - | TWA: 10 mg/m³ | - | - |
| **Chemical name** | **France** | **Germany** | **Germany MAK** | **Greece** | **Hungary** |
| Ammonium chloride<br>12125-02-9 | TWA: 10 mg/m³ | - | - | - | - |
| **Chemical name** | **Ireland** | **Italy** | **Italy REL** | **Latvia** | **Lithuania** |
| Ammonium chloride<br>12125-02-9 | TWA: 10 mg/m³<br>STEL: 20 mg/m³ | - | - | TWA: 10 mg/m³ | TWA: 10 mg/m³ |
| **Chemical name** | **Luxembourg** | **Malta** | **Netherlands** | **Norway** | **Poland** |
| Ammonium chloride<br>12125-02-9 | - | - | - | TWA: 10 mg/m³<br>STEL: 15 mg/m³ | STEL: 20 mg/m³<br>TWA: 10 mg/m³ |
| **Chemical name** | **Portugal** | **Romania** | **Slovakia** | **Slovenia** | **Spain** |
| Ammonium chloride<br>12125-02-9 | TWA: 10 mg/m³<br>STEL: 20 mg/m³ | TWA: 5 mg/m³<br>STEL: 10 mg/m³ | - | - | TWA: 10 mg/m³<br>STEL: 20 mg/m³ |

| Chemical name | Sweden | Switzerland | United Kingdom |
|---|---|---|---|
| Ammonium chloride<br>12125-02-9 | - | TWA: 3 mg/m³ | TWA: 10 mg/m³<br>STEL: 20 mg/m³ |

**Biological occupational exposure limits**
This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL)** No information available.
**Predicted No Effect Concentration (PNEC)** No information available.

### 8.2. Exposure controls

**Engineering controls** Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment**

| | |
|---|---|
| **Eye/face protection** | EN 166: Personal eye protection. Specifications. If splashes are likely to occur, wear safety glasses with side-shields. |
| **Hand protection** | Wear suitable gloves tested to EN 374. Rubber gloves. Nitrile rubber. Butyl rubber. Impervious gloves. Wear suitable gloves. |
| **Skin and body protection** | Wear suitable protective clothing. |
| **Respiratory protection** | Air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted canister. (FFP2). (FFP3). |

Particulates filter conforming to EN 143. Ammonia and organic ammonia derivatives filter conforming to EN 14387.

| | |
|---|---|
| **Thermal hazards** | None under normal processing. |
| **Other protective equipment** | No information available. |
| **General hygiene considerations** | Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. |
| **Environmental exposure controls** | Avoid creating dust. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. |

## SECTION 9: Physical and chemical properties

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

| | |
|---|---|
| **Physical state** | Solid |
| **Appearance** | granules |
| **Colour** | greyish to dark pink |
| **Odour** | Odourless. |
| **Odour threshold** | No information available |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **Melting point / freezing point** | No data available | None known |
| **Initial boiling point and boiling range** | No data available | Not applicable |
| **Flammability** | No data available | Not flammable |
| **Flammability Limit in Air** | | None known |
| **Upper flammability or explosive limits** | No data available | |
| **Lower flammability or explosive limits** | No data available | |
| **Flash point** | No data available | Not applicable |
| **Autoignition temperature** | No data available | No information available |
| **Decomposition temperature** | | UN S.1 - Positive<br>Ammonium nitrate: fertilisers capable of self-sustaining decomposition |
| **pH** | > 6 | approx |
| **pH (as aqueous solution)** | No data available | No information available |
| **Kinematic viscosity** | No data available | Not applicable |
| **Dynamic viscosity** | No data available | Not applicable |
| **Water solubility** | No data available | approx |
| **Solubility(ies)** | No data available | None known |
| **Partition coefficient** | No data available | Not applicable |
| **Vapour pressure** | No data available | No information available |
| **Relative density** | No data available | No data available |
| **Bulk density** | No data available | |
| **Liquid Density** | No data available | |
| **Relative vapour density** | No data available | None known |
| **Particle characteristics** | | approx |
| **Particle Size** | No information available | |
| **Particle Size Distribution** | No information available | |

### 9.2. Other information

*9.2.1. Information with regards to physical hazard classes*

Not applicable

| | |
|---|---|
| Explosive properties | Not an explosive |

Not flammable

| | |
|---|---|
| **Oxidising properties** | Non-oxidizing |

*9.2.2. Other safety characteristics*

No information available Not applicable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

| | |
|---|---|
| **Reactivity** | None under normal processing. Do not expose to sudden shock or sources of heat. Contact with acids liberates toxic gas. |
| **Remarks** | None. |

### 10.2. Chemical stability

| | |
|---|---|
| **Stability** | Stable under normal conditions. |

**Explosion data**

| | |
|---|---|
| **Sensitivity to mechanical impact** | None. |
| **Sensitivity to static discharge** | None. |

### 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** | See section 7 for more information |

### 10.5. Incompatible materials

| | |
|---|---|
| **Incompatible materials** | Strong oxidising agents, strong acids, and strong bases. Combustible material. Organic material. Nitrites. |

### 10.6. Hazardous decomposition products

| | |
|---|---|
| **Hazardous decomposition products** | Nitrogen oxides (NOx). Carbon dioxide (CO2). Ammonia. |

## SECTION 11: Toxicological information

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

**Information on likely routes of exposure**

**Product Information**

| | |
|---|---|
| **Inhalation** | Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract. |
| **Eye contact** | Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain. |
| **Skin contact** | Specific test data for the substance or mixture is not available. May cause irritation. |

Prolonged contact may cause redness and irritation.

**Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May be harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** May cause redness and tearing of the eyes.

**Numerical measures of toxicity**

**Acute toxicity**

**The following values are calculated based on chapter 3.1 of the GHS document**

**ATEmix (oral)** 2,250.30 mg/kg
**ATEmix (dermal)** 6,117.10 mg/kg
**ATEmix (inhalation-dust/mist)** 386.50 mg/l

**Component Information**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Ammonium chloride | = 1650 mg/kg ( Rat ) | - | - |
| Ammonium nitrate | = 2217 mg/kg ( Rat ) | - | > 88.8 mg/L ( Rat ) 4 h |

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** May cause skin irritation.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes serious eye irritation.

**Respiratory or skin sensitisation** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

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

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

**Aspiration hazard** No information available.

**11.2. Information on other hazards**

**11.2.1. Endocrine disrupting properties**

**Endocrine disrupting properties** No information available.

**11.2.2. Other information**

**Neurological effects** None known.

**Other adverse effects** No information available.

## SECTION 12: Ecological information

**12.1. Toxicity**

**Ecotoxicity**

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

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|---|---|---|---|
| Ammonium chloride | - | LC50: =209mg/L (96h, Cyprinus carpio) LC50: =725mg/L (24h, Lepomis macrochirus) | - | LC50: =202mg/L (24h, Daphnia magna) |
| Ammonium nitrate | - | LC50: 65 - 85mg/L (48h, Cyprinus carpio) | - | - |

**12.2. Persistence and degradability**

**Persistence and degradability** No information available.

**12.3. Bioaccumulative potential**

**Bioaccumulation** There is no data for this product.

**Component Information**

| Chemical name | Partition coefficient |
|---|---|
| Ammonium nitrate | -3.1 |

**12.4. Mobility in soil**

**Mobility in soil** No information available.

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

**PBT and vPvB assessment** The product contains substance(s) classified as PBT or vPvB.

| Chemical name | PBT and vPvB assessment |
|---|---|
| Ammonium chloride | The substance is not PBT / vPvB PBT assessment does not apply |
| Ammonium nitrate | The substance is not PBT / vPvB PBT assessment does not apply Further information relevant for the PBT assessment is necessary |

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** No information available.

**12.7. Other adverse effects**
No information available.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

| | |
|---|---|
| **Waste from residues/unused products** | Controlled application to agricultural soil. Fertiliser. |
| **Contaminated packaging** | Do not reuse empty containers. |
| **Waste codes / waste designations according to EWC / AVV** | Waste codes should be assigned by the user based on the application for which the product was used. |
| **Other information** | European Waste Catalogue. Waste codes should be assigned by the user based on the application for which the product was used. |

## SECTION 14: Transport information

**IATA**

| | |
|---|---|
| **14.1 UN number or ID number** | UN2071 |
| **14.2 UN proper shipping name** | Ammonium nitrate fertilizers |
| **14.3 Transport hazard class(es)** | 9 |
| **14.4 Packing group** | III |
| **Description** | UN2071, Ammonium nitrate fertilizers, 9, III |
| **14.5 Environmental hazards** | Not applicable |
| **14.6 Special precautions for user** | |
| **Special Provisions** | A90 |
| **ERG Code** | 9L |

**IMDG**

| | |
|---|---|
| **14.1 UN number or ID number** | UN2071 |
| **14.2 UN proper shipping name** | Ammonium nitrate based fertilizer |
| **14.3 Transport hazard class(es)** | 9 |
| **14.4 Packing group** | III |
| **Description** | UN2071, Ammonium nitrate based fertilizer, 9, III **Environmental hazards** Not applicable |
| **14.6 Special precautions for user** | |
| **Special Provisions** | 186, 193 |
| **EmS-No** | F-H, S-Q |
| **IMSBC Code** | B |
| **14.7 Maritime transport in bulk according to IMO instruments** | No information available |

**RID**

| | |
|---|---|
| **14.1 UN number or ID number** | UN2071 |
| **14.2 UN proper shipping name** | AMMONIUM NITRATE BASED FERTILIZER |
| **14.3 Transport hazard class(es)** | 9 |
| **14.4 Packing group** | Not regulated |
| **Description** | UN2071, AMMONIUM NITRATE BASED FERTILIZER, 9 |
| **14.5 Environmental hazards** | Not applicable |
| **14.6 Special precautions for user** | |
| **Special Provisions** | 193 |
| **Classification code** | M11 |

**ADR**

| | |
|---|---|
| **14.1 UN number or ID number** | UN2071 |
| **14.2 UN proper shipping name** | Ammonium nitrate based fertilizer |
| **14.3 Transport hazard class(es)** | 9 |
| **14.4 Packing group** | Not regulated |
| **Description** | UN2071, Ammonium nitrate based fertilizer, 9 |
| **14.5 Environmental hazards** | Not applicable |
| **14.6 Special precautions for user** | |
| **Special Provisions** | 193 |
| **Classification code** | M11 |

**ADN**

| | |
|---|---|
| **14.1 UN number or ID number** | UN2071 |

**14.2 UN proper shipping name** Ammonium nitrate based fertilizer
**14.3 Transport hazard class(es)** 9
**14.4**
**Description** UN2071, Ammonium nitrate based fertilizer, 9
**14.5 Environmental hazards** Not applicable
**14.6**
**Special Provisions** 193
**Classification code** M11
**Equipment Requirements** PP

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
**National regulations**
**Germany**
**Water hazard class (WGK)** slightly hazardous to water (WGK 1)

| | |
|---|---|
| **TRGS 510: Storage of hazardous substances and mixtures in transportable containers** | LGK 5.1C - Ammonium nitrate and mixtures containing ammonium nitrate |
| **Ordinance on Hazardous Substances (GefStoffV) Annex I, No. 5 "Ammonium nitrate" and TRGS 511: "Ammonium nitrate"** | Ammonium nitrate-containing fertilizer B II |

**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.

**Authorisations and/or restrictions on use:**
This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

| Chemical name | Restricted substance per REACH Annex XVII | Substance subject to authorisation per REACH Annex XIV |
|---|---|---|
| Ammonium chloride - 12125-02-9 | 65. | - |
| Ammonium nitrate - 6484-52-2 | 58. | - |

**Persistent Organic Pollutants**
Not applicable

**Fertiliser regulation**
Fertiliser regulation (EC) 2003/2003

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**
Not applicable

**International Inventories**

| | |
|---|---|
| **TSCA** | Contact supplier for inventory compliance status |
| **DSL/NDSL** | Contact supplier for inventory compliance status |
| **EINECS/ELINCS** | Contact supplier for inventory compliance status |
| **ENCS** | Contact supplier for inventory compliance status |
| **IECSC** | Contact supplier for inventory compliance status |
| **KECL** | Contact supplier for inventory compliance status |
| **PICCS** | Contact supplier for inventory compliance status |
| **AIIC** | Contact supplier for inventory compliance status |

**Legend:**
**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
**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
**AIIC** - Australian Inventory of Industrial Chemicals

**15.2. Chemical safety assessment**

**Chemical Safety Report** No information available

## SECTION 16: Other information

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

**Full text of H-Statements referred to under section 3**
H272 - May intensify fire; oxidiser
H302 - Harmful if swallowed
H319 - Causes serious eye irritation

**Legend**
SVHC: Substances of Very High Concern

**Legend Section 8: Exposure controls/personal protection**

| | | | |
|---|---|---|---|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |

| Classification procedure | |
|---|---|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used |
| Acute oral toxicity | Calculation method |
| Acute dermal toxicity | Calculation method |
| Acute inhalation toxicity - gas | Calculation method |
| Acute inhalation toxicity - Vapour | Calculation method |
| Acute inhalation toxicity - dust/mist | Calculation method |
| Skin corrosion/irritation | Calculation method |
| Serious eye damage/eye irritation | Calculation method |
| Respiratory sensitisation | Calculation method |
| Skin sensitisation | Calculation method |
| Mutagenicity | Calculation method |
| Carcinogenicity | Calculation method |
| Reproductive toxicity | Calculation method |
| STOT - single exposure | Calculation method |
| STOT - repeated exposure | Calculation method |
| Acute aquatic toxicity | Calculation method |
| Chronic aquatic toxicity | Calculation method |
| Aspiration hazard | Calculation method |
| Ozone | Calculation method |

**Key literature references and sources for data used to compile the SDS**
Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification

Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine’s PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

**Revision date** 02-Sep-2021

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**
**Disclaimer**
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**End of Safety Data Sheet**