

# Safety Data Sheet

acc. to OSHA HCS

Printing date 06/20/2019

Reviewed on 11/17/2017

## 1 Identification

- **Product identifier**
- **Trade name:** Lithium Chloride  
2.0 Molar in Ethanol
- **Article number:** FIN028A
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Aqua Solutions, Inc.  
6913 Highway 225  
DEER PARK, TX 77536  
USA  
800-256-2586
- **Information department:**  
Technical Coordinator  
Sherman Nelson sherman@aquasolutions.org  
Technical Coordinator  
Sherman Nelson sherman@aquasolutions.org
- **Emergency telephone number:**  
Chemtrec: 800-424-9300  
Canutec: 613-996-6666



## 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.



GHS08 Health hazard

STOT SE 2 H371 May cause damage to organs.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word** Danger
- **Hazard-determining components of labeling:**  
Isopropanol

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**Trade name:** *Lithium Chloride*  
**2.0 Molar in Ethanol**

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*Methanol (Methyl Alcohol)*

· **Hazard statements**

*Highly flammable liquid and vapor.*

*Causes skin irritation.*

*Causes serious eye irritation.*

*May cause damage to organs.*

· **Precautionary statements**

*Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*

*Keep container tightly closed.*

*Ground/bond container and receiving equipment.*

*Use explosion-proof electrical/ventilating/lighting/equipment.*

*Use only non-sparking tools.*

*Take precautionary measures against static discharge.*

*Do not breathe dust/fume/gas/mist/vapors/spray.*

*Wash thoroughly after handling.*

*Do not eat, drink or smoke when using this product.*

*Wear protective gloves/protective clothing/eye protection/face protection.*

*Specific treatment (see on this label).*

*If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.*

*If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.*

*Continue rinsing.*

*IF exposed or concerned: Call a poison center/doctor.*

*Take off contaminated clothing and wash it before reuse.*

*If skin irritation occurs: Get medical advice/attention.*

*If eye irritation persists: Get medical advice/attention.*

*In case of fire: Use for extinction: CO2, powder or water spray.*

*Store in a well-ventilated place. Keep cool.*

*Store locked up.*

*Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



*Health = 2*

*Fire = 3*

*Reactivity = 0*

· **HMIS-ratings (scale 0 - 4)**



*Health = \*2*

*Fire = 3*

*Reactivity = 0*

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** *Not applicable.*

· **vPvB:** *Not applicable.*

## 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** *Mixture of the substances listed below with nonhazardous additions.*

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**Trade name: Lithium Chloride**  
**2.0 Molar in Ethanol**

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| <b>· Dangerous components:</b> |                                   |         |
|--------------------------------|-----------------------------------|---------|
| CAS: 64-17-5                   | Ethyl Alcohol, Absolute 200 Proof | 80.945% |
| CAS: 7447-41-8                 | Lithium Chloride                  | 10.073% |
| CAS: 67-56-1                   | Methanol (Methyl Alcohol)         | 4.51%   |
| CAS: 67-63-0                   | Isopropanol                       | 4.472%  |

## 4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**  
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

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**Trade name: Lithium Chloride**  
**2.0 Molar in Ethanol**

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### · Protective Action Criteria for Chemicals

| · PAC-1:       |                                   |                       |
|----------------|-----------------------------------|-----------------------|
| CAS: 64-17-5   | Ethyl Alcohol, Absolute 200 Proof | 1,800 ppm             |
| CAS: 7447-41-8 | Lithium Chloride                  | 2.3 mg/m <sup>3</sup> |
| CAS: 67-56-1   | Methanol (Methyl Alcohol)         | 530 ppm               |
| CAS: 67-63-0   | Isopropanol                       | 400 ppm               |
| · PAC-2:       |                                   |                       |
| CAS: 64-17-5   | Ethyl Alcohol, Absolute 200 Proof | 3300* ppm             |
| CAS: 7447-41-8 | Lithium Chloride                  | 25 mg/m <sup>3</sup>  |
| CAS: 67-56-1   | Methanol (Methyl Alcohol)         | 2,100 ppm             |
| CAS: 67-63-0   | Isopropanol                       | 2000* ppm             |
| · PAC-3:       |                                   |                       |
| CAS: 64-17-5   | Ethyl Alcohol, Absolute 200 Proof | 15000* ppm            |
| CAS: 7447-41-8 | Lithium Chloride                  | 150 mg/m <sup>3</sup> |
| CAS: 67-56-1   | Methanol (Methyl Alcohol)         | 7200* ppm             |
| CAS: 67-63-0   | Isopropanol                       | 12000** ppm           |

## 7 Handling and storage

### · Handling:

#### · Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.  
 Prevent formation of aerosols.

#### · Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.  
 Protect against electrostatic charges.  
 Keep respiratory protective device available.

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

#### · Storage:

· **Requirements to be met by storerooms and receptacles:** Store in a cool location.

· **Information about storage in one common storage facility:** Not required.

#### · Further information about storage conditions:

Keep receptacle tightly sealed.  
 Store in cool, dry conditions in well sealed receptacles.

· **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

### · Control parameters

#### · Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

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**Trade name: Lithium Chloride**  
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**CAS: 64-17-5 Ethyl Alcohol, Absolute 200 Proof**

PEL Long-term value: 1900 mg/m<sup>3</sup>, 1000 ppm

REL Long-term value: 1900 mg/m<sup>3</sup>, 1000 ppm

TLV Short-term value: 1880 mg/m<sup>3</sup>, 1000 ppm

**CAS: 67-56-1 Methanol (Methyl Alcohol)**

PEL Long-term value: 260 mg/m<sup>3</sup>, 200 ppm

REL Short-term value: 325 mg/m<sup>3</sup>, 250 ppm

Long-term value: 260 mg/m<sup>3</sup>, 200 ppm

Skin

TLV Short-term value: 328 mg/m<sup>3</sup>, 250 ppm

Long-term value: 262 mg/m<sup>3</sup>, 200 ppm

Skin; BEI

**CAS: 67-63-0 Isopropanol**

PEL Long-term value: 980 mg/m<sup>3</sup>, 400 ppm

REL Short-term value: 1225 mg/m<sup>3</sup>, 500 ppm

Long-term value: 980 mg/m<sup>3</sup>, 400 ppm

TLV Short-term value: 984 mg/m<sup>3</sup>, 400 ppm

Long-term value: 492 mg/m<sup>3</sup>, 200 ppm

BEI

**· Ingredients with biological limit values:**
**CAS: 67-56-1 Methanol (Methyl Alcohol)**

BEI 15 mg/L

LD50 Intraperitoneal: urine

Time: end of shift

LD50: Methanol (background, nonspecific)

**CAS: 67-63-0 Isopropanol**

BEI 40 mg/L

LD50 Intraperitoneal: urine

Time: end of shift at end of workweek

LD50: Acetone (background, nonspecific)

· **Additional information:** The lists that were valid during the creation were used as basis.

**· Exposure controls**
**· Personal protective equipment:**
**· General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

**· Breathing equipment:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

**· Protection of hands:**


Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

|               |             |
|---------------|-------------|
| <b>Form:</b>  | Liquid      |
| <b>Color:</b> | Clear       |
| <b>Odor:</b>  | de l'alcool |

|                        |                      |
|------------------------|----------------------|
| <b>Odor threshold:</b> | l<br>Not determined. |
|------------------------|----------------------|

|                  |                 |
|------------------|-----------------|
| <b>pH-value:</b> | Not determined. |
|------------------|-----------------|

· **Change in condition**

|                                     |               |
|-------------------------------------|---------------|
| <b>Melting point/Melting range:</b> | Undetermined. |
| <b>Boiling point/Boiling range:</b> | Undetermined. |

|                     |                 |
|---------------------|-----------------|
| <b>Flash point:</b> | 13 °C (55.4 °F) |
|---------------------|-----------------|

|                                       |                 |
|---------------------------------------|-----------------|
| <b>Flammability (solid, gaseous):</b> | Not applicable. |
|---------------------------------------|-----------------|

|                              |                 |
|------------------------------|-----------------|
| <b>Ignition temperature:</b> | 425 °C (797 °F) |
|------------------------------|-----------------|

|                                   |                 |
|-----------------------------------|-----------------|
| <b>Decomposition temperature:</b> | Not determined. |
|-----------------------------------|-----------------|

|                       |                              |
|-----------------------|------------------------------|
| <b>Auto igniting:</b> | Product is not selfigniting. |
|-----------------------|------------------------------|

|                             |  |
|-----------------------------|--|
| <b>Danger of explosion:</b> | Product is not explosive. However, formation of explosive air/vapor mixtures are possible. |
|-----------------------------|--|

· **Explosion limits:**

|               |           |
|---------------|-----------|
| <b>Lower:</b> | 3.5 Vol % |
| <b>Upper:</b> | 19 Vol %  |

|   |                     |
|---|---------------------|
| <b>Vapor pressure at 20 °C (68 °F):</b> | 59 hPa (44.3 mm Hg) |
|---|---------------------|

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*2.0 Molar in Ethanol*

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|                                    |  |
|------------------------------------|--|
| · <b>Density at 20 °C (68 °F):</b> | 0.8417 g/cm <sup>3</sup> (7.02399 lbs/gal) |
| · <b>Relative density</b>          | Not determined.                            |
| · <b>Vapor density</b>             | Not determined.                            |
| · <b>Evaporation rate</b>          | Not determined.                            |

|  |                 |
|--|-----------------|
| · <b>Solubility in / Miscibility with Water:</b> | Fully miscible. |
|--|-----------------|

|   |                 |
|---|-----------------|
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined. |
|---|-----------------|

|                     |                 |
|---------------------|-----------------|
| · <b>Viscosity:</b> |                 |
| <b>Dynamic:</b>     | Not determined. |
| <b>Kinematic:</b>   | Not determined. |

|                           |                         |
|---------------------------|-------------------------|
| · <b>Solvent content:</b> |                         |
| <b>Organic solvents:</b>  | 89.9 %                  |
| <b>VOC content:</b>       | 89.93 %                 |
|                           | 756.9 g/l / 6.32 lb/gal |

|                            |  |
|----------------------------|--|
| · <b>Solids content:</b>   | 10.1 %                                     |
| · <b>Other information</b> | No further relevant information available. |

## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

**ATE (Acute Toxicity Estimate)**

|            |         |                         |
|------------|---------|-------------------------|
| Oral       | LD50    | 4,357-4,813 mg/kg (rat) |
| Inhalative | LC50/4h | 543 mg/l (rat)          |

**CAS: 67-56-1 Methanol (Methyl Alcohol)**

|            |         |                 |
|------------|---------|-----------------|
| Oral       | LD50    | 100 mg/kg (ATE) |
| Dermal     | LD50    | 300 mg/kg (ATE) |
| Inhalative | LC50/4h | 3 mg/l (ATE)    |

- **Primary irritant effect:**
  - **on the skin:** Irritant to skin and mucous membranes.
  - **on the eye:** Irritating effect.
  - **Sensitization:** No sensitizing effects known.
  - **Additional toxicological information:**
- The product shows the following dangers according to internally approved calculation methods for preparations:

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**2.0 Molar in Ethanol**

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Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

|              |                                   |   |
|--------------|-----------------------------------|---|
| CAS: 64-17-5 | Ethyl Alcohol, Absolute 200 Proof | 1 |
| CAS: 67-63-0 | Isopropanol                       | 3 |

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
 Water hazard class 1 (Self-assessment): slightly hazardous for water  
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
 Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

- **UN-Number**
- **DOT, IMDG, IATA** UN1993
- **UN proper shipping name**
- **DOT** Flammable liquids, n.o.s. (Ethanol, Methanol, Isopropanol)
- **IMDG, IATA** FLAMMABLE LIQUID, N.O.S. (ETHANOL, METHANOL, Isopropanol)

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· **Transport hazard class(es)**

· **DOT**



· **Class** 3 Flammable liquids  
 · **Label** 3

· **IMDG, IATA**



· **Class** 3 Flammable liquids  
 · **Label** 3

· **Packing group**  
 · **DOT, IMDG, IATA** II

· **Environmental hazards:**  
 · **Marine pollutant:** No

· **Special precautions for user** Warning: Flammable liquids  
 · **Danger code (Kemler):** 33  
 · **EMS Number:** F-E,S-E  
 · **Stowage Category** E

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **DOT**  
 · **Quantity limitations** On passenger aircraft/rail: 1 L  
 On cargo aircraft only: 30 L

· **IMDG**

· **Limited quantities (LQ)** 0  
 · **Excepted quantities (EQ)** Code: E3  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 300 ml

· **UN "Model Regulation":** UN 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL, METHANOL, ISOPROPANOL), 3, II

## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
 · **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

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· **Section 313 (Specific toxic chemical listings):**

|              |                           |
|--------------|---------------------------|
| CAS: 67-56-1 | Methanol (Methyl Alcohol) |
|--------------|---------------------------|

|              |             |
|--------------|-------------|
| CAS: 67-63-0 | Isopropanol |
|--------------|-------------|

· **TSCA (Toxic Substances Control Act):**

|                                   |        |
|-----------------------------------|--------|
| Ethyl Alcohol, Absolute 200 Proof | ACTIVE |
|-----------------------------------|--------|

|                  |        |
|------------------|--------|
| Lithium Chloride | ACTIVE |
|------------------|--------|

|                           |        |
|---------------------------|--------|
| Methanol (Methyl Alcohol) | ACTIVE |
|---------------------------|--------|

|             |        |
|-------------|--------|
| Isopropanol | ACTIVE |
|-------------|--------|

· **Hazardous Air Pollutants**

|              |                           |
|--------------|---------------------------|
| CAS: 67-56-1 | Methanol (Methyl Alcohol) |
|--------------|---------------------------|

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

|              |                                   |
|--------------|-----------------------------------|
| CAS: 64-17-5 | Ethyl Alcohol, Absolute 200 Proof |
|--------------|-----------------------------------|

|              |                           |
|--------------|---------------------------|
| CAS: 67-56-1 | Methanol (Methyl Alcohol) |
|--------------|---------------------------|

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

|              |                                   |    |
|--------------|-----------------------------------|----|
| CAS: 64-17-5 | Ethyl Alcohol, Absolute 200 Proof | A3 |
|--------------|-----------------------------------|----|

|              |             |    |
|--------------|-------------|----|
| CAS: 67-63-0 | Isopropanol | A4 |
|--------------|-------------|----|

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS02    GHS07    GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**

Isopropanol

Methanol (Methyl Alcohol)

· **Hazard statements**

Highly flammable liquid and vapor.

Causes skin irritation.

Causes serious eye irritation.

May cause damage to organs.

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**Trade name: Lithium Chloride**  
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· **Precautionary statements**

*Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*

*Keep container tightly closed.*

*Ground/bond container and receiving equipment.*

*Use explosion-proof electrical/ventilating/lighting/equipment.*

*Use only non-sparking tools.*

*Take precautionary measures against static discharge.*

*Do not breathe dust/fume/gas/mist/vapors/spray.*

*Wash thoroughly after handling.*

*Do not eat, drink or smoke when using this product.*

*Wear protective gloves/protective clothing/eye protection/face protection.*

*Specific treatment (see on this label).*

*If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.*

*If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.*

*Continue rinsing.*

*IF exposed or concerned: Call a poison center/doctor.*

*Take off contaminated clothing and wash it before reuse.*

*If skin irritation occurs: Get medical advice/attention.*

*If eye irritation persists: Get medical advice/attention.*

*In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.*

*Store in a well-ventilated place. Keep cool.*

*Store locked up.*

*Dispose of contents/container in accordance with local/regional/national/international regulations.*

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

· **Department issuing SDS:** Environment protection department.

· **Contact:**

· **Date of preparation / last revision**

*Revision 0.2 06-03-19: updated product description. STN*

*Creation date for SDS 12-29-2014. STN*

*06/20/2019 / -*

· **Abbreviations and acronyms:**

*IMDG: International Maritime Code for Dangerous Goods*

*DOT: US Department of Transportation*

*IATA: International Air Transport Association*

*ACGIH: American Conference of Governmental Industrial Hygienists*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*NFPA: National Fire Protection Association (USA)*

*HMIS: Hazardous Materials Identification System (USA)*

*VOC: Volatile Organic Compounds (USA, EU)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*NIOSH: National Institute for Occupational Safety*

*OSHA: Occupational Safety & Health*

*TLV: Threshold Limit Value*

*PEL: Permissible Exposure Limit*

*REL: Recommended Exposure Limit*

*BEI: Biological Exposure Limit*

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*Flam. Liq. 2: Flammable liquids – Category 2*  
*Skin Irrit. 2: Skin corrosion/irritation – Category 2*  
*Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A*  
*STOT SE 2: Specific target organ toxicity (single exposure) – Category 2*

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US