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

1.1 Product identifier

**Zinc ammonium chloride Powder**

- **Registration number**: 01-2119557900-37-0001
- **IUPAC**: Ammonium zinc chloride
- **EINECS/ELINCS**: 258-054-8
- **CAS**: 52628-25-8

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

1.2.1 Relevant uses

- Raw material for industrial applications
- Usage only in accordance with the identified usages as stipulated in the CSR/CSA.

1.2.2 Uses advised against

For all uses not specified in SECTION 1.2.1

1.3 Details of the supplier of the safety data sheet

- **Company**: S.A. LIPMES
- **Address**: Creu Guixera s/n
  08243 Manresa (Barcelona) / SPAIN
- **Phone**: +34 938770447
- **Fax**: +34 938741160
- **E-mail**: lipmes@lipmes.com

Address enquiries to

- **Technical information**: lipmes@lipmes.com
- **Safety Data Sheet**: sdb@chemiebuero.de

1.4 Emergency telephone number

- **Advisory body**: +49 (0)89-19240 (24h) (english)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Acute Tox. 4: H302 Harmful if swallowed.
- Skin Corr. 1B: H314 Causes severe skin burns and eye damage.
- STOT SE 3: H335 May cause respiratory irritation.
- Aquatic Acute 1: H400 Very toxic to aquatic life.
- Aquatic Chronic 1: H410 Very toxic to aquatic life with long lasting effects.

2.2 Label elements

- **Hazard pictograms**: The product is classified and required to be labelled in accordance with EC-Directives

- **Signal word**: DANGER

- **Contains**: Ammonium zinc chloride EINECS: 258-054-8

- **Hazard statements**
  - H302 Harmful if swallowed.
  - H314 Causes severe skin burns and eye damage.
  - H335 May cause respiratory irritation.
  - H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

- P260 Do not breathe dust.
- P280 Wear protective gloves / protective clothing / eye protection / face protection.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P273 Avoid release to the environment.
- P405 Store locked up.
2.3 Other hazards

Environmental hazards: The product/the substance has the Water Hazard Class 3.

Other hazards: none

SECTION 3: Composition / Information on ingredients

Product-type: The product is a substance.

<table>
<thead>
<tr>
<th>Range [%]</th>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 94</td>
<td>Ammonium zinc chloride</td>
</tr>
<tr>
<td></td>
<td>CAS: 52628-25-8, EINECS/ELINCS: 258-054-8, Reg-No.: 01-2119557900-37-XXXX</td>
</tr>
<tr>
<td>1 - 5</td>
<td>Zinc chloride</td>
</tr>
<tr>
<td></td>
<td>CAS: 7646-85-7, EINECS/ELINCS: 231-592-0, EU-INDEX: 030-003-00-2, Reg-No.: 01-2119472431-44-XXXX</td>
</tr>
<tr>
<td></td>
<td>GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1B: H314 - Aquatic Acute 1: H400 - Aquatic Chronic 1: H410, M = 1</td>
</tr>
<tr>
<td>1 - 5</td>
<td>Ammonium chloride</td>
</tr>
<tr>
<td></td>
<td>CAS: 12125-02-9, EINECS/ELINCS: 235-186-4, EU-INDEX: 017-014-00-8, Reg-No.: 01-2119487950-27-XXXX</td>
</tr>
<tr>
<td></td>
<td>GHS/CLP: Acute Tox. 4: H302 - Eye Irrit. 2: H319</td>
</tr>
<tr>
<td>1 - 5</td>
<td>Diammonium tetrachlorozincate(2-)</td>
</tr>
<tr>
<td></td>
<td>CAS: 14639-97-5, EINECS/ELINCS: 238-687-6</td>
</tr>
<tr>
<td></td>
<td>GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1B: H314 - Aquatic Chronic 1: H410</td>
</tr>
<tr>
<td>1 - 5</td>
<td>Triammonium pentachlorozincate(3-)</td>
</tr>
<tr>
<td></td>
<td>CAS: 14639-98-6, EINECS/ELINCS: 238-688-1</td>
</tr>
<tr>
<td></td>
<td>GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1B: H314 - Aquatic Chronic 1: H410</td>
</tr>
</tbody>
</table>

Comment on component parts: This product is a mixture of salts. Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%. For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Remove contaminated soaked clothing immediately and dispose of safely.

Inhalation: Consult a doctor immediately. Ensure supply of fresh air.

Skin contact: Immediate medical treatment necessary, as untreated burns can result in slow-healing wounds. In case of contact with skin wash off immediately with plenty of water.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Shield unaffected eye. If eye irritation persists: Get medical advice/attention.

Ingestion: Consult a doctor immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Forward this sheet to the doctor.
SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Product itself is non-combustible. Fire extinguishing method of surrounding areas must be considered.

Extinguishing media that must not be used

Full water jet.

5.2 Special hazards arising from the substance or mixture

Hydrogen chloride (HCl).
Nitrogen oxides (NOx).

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Wear full protective suit.
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation.
Use breathing apparatus if exposed to dust.
Use personal protective equipment.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.
Avoid raising dust.
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid the formation and deposition of dust.
Provide vacuuming if dust raised.
Use breathing apparatus when transferring large quantities without vacuuming facilities.

Do not eat, drink or smoke when using this product.
Clean skin thoroughly after work, apply skin cream.
Use barrier skin cream.
Contaminated work clothing should not be allowed out of the workplace.
Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Provide acid-resistant floor.
Do not store with alkalies.
Store in a dry place.
Keep container in a well-ventilated place.
Keep container tightly closed.

7.3 Specific end use(s)

Usage only in accordance with the identified usages as stipulated in the CSR/CSA.
See product use, SECTION 1.2
### SECTION 8: Exposure controls / personal protection

#### 8.1 Control parameters

**Ingredients with occupational exposure limits to be monitored (GB)**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc chloride</td>
<td>7646-85-7, EINECS/ELINCS: 231-592-0, EU-INDEX: 030-003-00-2, Reg-No.: 01-2119472431-44-XXXX</td>
<td></td>
<td></td>
<td></td>
<td>1 mg/m³, fume</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Ammonium chloride</td>
<td>12125-02-9, EINECS/ELINCS: 235-186-4, EU-INDEX: 017-014-00-8, Reg-No.: 01-2119487950-27-XXXX</td>
<td></td>
<td></td>
<td></td>
<td>10 mg/m³</td>
<td>20 mg/m³</td>
</tr>
</tbody>
</table>

**DNEL**

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS:</th>
<th>EINECS/ELINCS:</th>
<th>EU-INDEX:</th>
<th>Reg-No.:</th>
<th>Long-term exposure:</th>
<th>Systemic effects:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium zinc chloride, CAS: 52628-25-8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8,3 mg/kg bw/d (NOAEL) (AF=1).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Long-term - systemic effects: 1 mg/m³ (NOAEC) (AF=1).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>General population, dermal, Long-term - systemic effects: 8,3 mg/kg bw/d (NOAEL) (AF=1).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>General population, inhalative (dust), Long-term - systemic effects: 1,3 mg/m³ (NOAEC) (AF=1).</td>
</tr>
<tr>
<td>Ammonium chloride, CAS: 12125-02-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>128,9 mg/kg.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Long-term - systemic effects: 43,97 mg/m³.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>General population, oral, Long-term - systemic effects: 55,2 mg/kg.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>General population, dermal, Long-term - systemic effects: 55,2 mg/kg.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>General population, inhalative, Long-term - systemic effects: 9,4 mg/m³.</td>
</tr>
</tbody>
</table>

**PNEC**

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS:</th>
<th>EINECS/ELINCS:</th>
<th>EU-INDEX:</th>
<th>Reg-No.:</th>
<th>Environment:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium zinc chloride, CAS: 52628-25-8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>soil, 35,6 mg/kg dw (AF=1).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>sediment (seawater), 56,5 mg/kg dw (AF=1).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>sediment (freshwater), 117,8 mg/kg dw (AF=1).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>sewage treatment plants (STP), 52 µg/l (AF=100).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>seawater, 6,1 µg/l (AF=1).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>freshwater, 20,6 µg/l (AF=1).</td>
</tr>
<tr>
<td>Ammonium chloride, CAS: 12125-02-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>sewage treatment plants (STP), 13,1 mg/l.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>soil, 50,7 mg/kg.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>sediment (seawater), 0,09 mg/kg.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>sediment (freshwater), 0,9 mg/kg.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>seawater, 0,025 mg/l.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>freshwater, 0,25 mg/l.</td>
</tr>
</tbody>
</table>
8.2 Exposure controls

Additional advice on system design
Ensure adequate ventilation on workstation.
Generic Exposure Scenarios only in accordance with the identified usages as stipulated in the CSR/CSA.

Eye protection
Tightly fitting goggles. (EN 166:2001)

Hand protection
The details concerned are recommendations. Please contact the glove supplier for further information.
In full contact:
> 0,4 mm: Nitrile rubber, >480 min (EN 374).
In splash contact:
> 0,4 mm: Nitrile rubber, >480 min (EN 374).

Skin protection
Acid-resistant protective clothing.

Other
Avoid contact with eyes and skin.

Respiratory protection
Breathing apparatus in the event of high concentrations.
Short term: filter apparatus, filter P2. (DIN EN 143)

Thermal hazards
not applicable

Delimitation and monitoring of the environmental exposition
Comply with applicable environmental regulations limiting discharge to air, water and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form
powder

Color
white

Odor
odourless

Odour threshold
not applicable

pH-value
ca. 5 (100 g/l)

pH-value [1%]
not determined

Boiling point [°C]
730

Flash point [°C]
not applicable

Flammability (solid, gas) [°C]
not applicable

Lower explosion limit
not applicable

Upper explosion limit
not applicable

Oxidising properties
no

Vapour pressure/gas pressure [kPa]
<0,1 (20°C)

Density [g/ml]
2.9

Bulk density [kg/m³]
1800

Solubility in water
630 - 920 g/l (31° - 50° Bé)

Partition coefficient [n-octanol/water]
not determined

Viscosity
not applicable

Relative vapour density determined in air
not applicable

Evaporation speed
not applicable

Melting point [°C]
318

Autoignition temperature [°C]
not applicable

Decomposition temperature [°C]
not determined

9.2 Other information
No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.
10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with alkalies (lyes).

10.4 Conditions to avoid

Reactions with damp air and moistureness.
Strong heating.

10.5 Incompatible materials

Various metals.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Product</th>
<th>LD50, oral, Rat: 1100 - 1260 mg/kg (CSA).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Substance</td>
<td>Ammonium zinc chloride, CAS: 52628-25-8</td>
</tr>
<tr>
<td></td>
<td>LD50, oral, Rat: 1100 - 1260 mg/kg bw.</td>
</tr>
<tr>
<td></td>
<td>Ammonium chloride, CAS: 12125-02-9</td>
</tr>
<tr>
<td></td>
<td>LD50, oral, Rat: 1650 mg/kg (IUCLID).</td>
</tr>
<tr>
<td></td>
<td>Zinc chloride, CAS: 7646-85-7</td>
</tr>
<tr>
<td></td>
<td>LD50, oral, Rat: 350 mg/kg (RTECS).</td>
</tr>
<tr>
<td></td>
<td>LCLO, inhalative, Rat: 2 mg/l (IUCLID).</td>
</tr>
</tbody>
</table>

Serious eye damage/irritation

Toxicological data of complete product are not available.

Skin corrosion/irritation

Product is caustic.
Based on the available information, the classification criteria are fulfilled.

Respiratory or skin sensitisation

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

Specific target organ toxicity — single exposure

May cause respiratory irritation.
Based on the available information, the classification criteria are fulfilled.

Specific target organ toxicity — repeated exposure

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

Mutagenicity

Ames-test: negative.
Based on available data, the classification criteria are not met.

Reproduction toxicity

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

Carcinogenicity

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

General remarks

The toxicological data are those of the pure product.
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists.
SECTION 12: Ecological information

12.1 Toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50, (96h), Pimephales promelas: 0,78/0,33 mgZn/l (CSA).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium zinc chloride, CAS: 52628-25-8</td>
<td></td>
</tr>
<tr>
<td>LC50, (96h), Oncorhynchus mykiss: 0,169 mgZn/l (CSA).</td>
<td></td>
</tr>
<tr>
<td>EC50, (48h), Ceriodaphnia dubia: 0,147 - 0,413 mgZn/l (CSA).</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50, (48h), Daphnia magna: 100 - 800 µg/l.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium chloride, CAS: 12125-02-9</td>
<td></td>
</tr>
<tr>
<td>LC50, (96h), Oncorhynchus mykiss: 169 µg/l.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50, (96h), Salmo clarki: 123,8 - 166,6 mg/l (IUCLID).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium chloride, CAS: 12125-02-9</td>
<td></td>
</tr>
<tr>
<td>EC50, (48h), Daphnia magna: &gt; 100 mg/l (Lit.).</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50, (96h), Danio rerio: 38 mg/l (IUCLID).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc chloride, CAS: 7646-85-7</td>
<td></td>
</tr>
<tr>
<td>EC50, Activated sludge: 45 mg/l (IUCLID).</td>
<td></td>
</tr>
<tr>
<td>EC50, (48h), Daphnia magna: 0,33 mg/l (IUCLID).</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>IC0, (96h), Pseudokirchneriella subcapitata: 0,1 mg/l (OECD 201).</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12.2 Persistence and degradability

<table>
<thead>
<tr>
<th>Behaviour in environment compartments</th>
<th>not determined</th>
</tr>
</thead>
<tbody>
<tr>
<td>Behaviour in sewage plant</td>
<td>not determined</td>
</tr>
<tr>
<td>Biological degradability</td>
<td>not applicable</td>
</tr>
</tbody>
</table>

12.3 Bioaccumulative potential

Product has having no bioaccumulation potential.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects

Do not discharge product unmonitored into the environment.
SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.
Coordinate disposal with the disposal contractor/authorities if necessary.

Waste no. (recommended) 060313*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150110*

SECTION 14: Transport information

14.1 UN number

Transport by land according to ADR/RID 2331

Inland navigation (ADN) 2331

Marine transport in accordance with IMDG 2331

Air transport in accordance with IATA 2331
14.2 UN proper shipping name

Transport by land according to ADR/RID
- Classification Code: C2
- Label
- ADR LQ: 5 kg
- ADR 1.1.3.6 (8.6) Transport category (tunnel restriction code) 3 (E)

Inland navigation (ADN)
- Classification Code: C2
- Label

Marine transport in accordance with IMDG
- EMS: F-A, S-B
- Label
- IMDG LQ: 5 kg

Air transport in accordance with IATA
- Label

14.3 Transport hazard class(es)

Transport by land according to ADR/RID 8

Inland navigation (ADN) 8

Marine transport in accordance with IMDG 8

Air transport in accordance with IATA 8

14.4 Packing group

Transport by land according to ADR/RID III

Inland navigation (ADN) III

Marine transport in accordance with IMDG III

Air transport in accordance with IATA III
14.5 Environmental hazards

Transport by land according to ADR/RID  
Yes

Inland navigation (ADN)  
Yes

Marine transport in accordance with IMDG  
MARINE POLLUTANT

Air transport in accordance with IATA  
Yes

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

No information available.

SECTION 15: Regulatory information

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

EEC-REGULATIONS  

TRANSPORT-REGULATIONS  

NATIONAL REGULATIONS (GB):  

- Observe employment restrictions for people  
Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.

- VOC (1999/13/CE)  
not applicable

15.2 Chemical safety assessment

For this substance a chemical safety assessment has been carried out. Used data correspond to the CSReport of the manufacturer. The manufacturer is accountable for the accuracy.

SECTION 16: Other information

16.1 Hazard statements  
(SECTION 03)

H400 Very toxic to aquatic life.
H319 Causes serious eye irritation.
H410 Very toxic to aquatic life with long lasting effects.
H335 May cause respiratory irritation.
H314 Causes severe skin burns and eye damage.
H302 Harmful if swallowed.
16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform Chemical Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Customs Tariff not determined

Classification procedure Acute Tox. 4: H302 Harmful if swallowed. (Weight of evidence)
Skin Corr. 1B: H314 Causes severe skin burns and eye damage. (Weight of evidence)
STOT SE 3: H335 May cause respiratory irritation. (Weight of evidence)
Aquatic Acute 1: H400 Very toxic to aquatic life. (Weight of evidence)
Aquatic Chronic 1: H410 Very toxic to aquatic life with long lasting effects. ()

Modified position SECTION 2 been added: P280 Wear protective gloves / protective clothing / eye protection / face protection.
SECTION 16 been added: GENERAL REVIEW [CLP; REACH-(EU) 2015/830]

Copyright: Chemiebüro®