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

1.1. Product identifier

Product form: Mixture
Product name: Silver Braze 54, 40Ni2, 50Ni2, 49Ni4, 63, 56Ni2 (V-HIAF Pastes)
Type of product: Alloy

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

1.2.1. Relevant identified uses

Main use category: Professional use
Industrial/Professional use spec: For professional use only
Use of the substance/mixture: Brazing
Function or use category: Welding, cutting, heating and brazing.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

The Prince & Izant Companies
12999 Plaza Drive
44130 Cleveland, Ohio - USA
T 001-216-362-7000 - F 001-216-362-7456
support@princeizant.com - www.princeizant.com

1.4. Emergency telephone number

Emergency number: Global: +44 1865 407333 (NCEC)
USA: +1 202 464 2554 (NCEC)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 1B H314
Sensitisation — Skin, Category 1 H317
Carcinogenicity, Category 2 H351
Specific target organ toxicity — Repeated exposure, Category 2 H373

Full text of H statements: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):

GHS05  GHS07  GHS08

Signal word (CLP): Danger
Hazardous ingredients: nickel, potassium bifluoride, potassium hydrogen difluoride
Hazard statements (CLP):

H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H351 - Suspected of causing cancer (if inhaled)
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (CLP):

P202 - Do not handle until all safety precautions have been read and understood
P260 - Do not breathe dust, fume
P264 - Wash hands, forearms and face thoroughly after handling
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves, eye protection, face protection, protective clothing
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
Silver Braze 54, 40Ni2, 50Ni2, 49Ni4, 63, 56Ni2 (V-HIAF Pastes)
Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

---

**2.3. Other hazards**

**Adverse physicochemical, human health and environmental effects**
- Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. May cause an allergic skin reaction. Causes severe skin burns and eye damage.

**Other hazards not contributing to the classification**
- None under normal conditions.

---

**SECTION 3: Composition/information on ingredients**

**3.1. Substance**
- Not applicable

**3.2. Mixture**

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver substance with a Community workplace exposure limit</td>
<td>(CAS No) 7440-22-4 (EC no) 231-131-3</td>
<td>40 - 80</td>
<td>Not classified</td>
</tr>
<tr>
<td>nickel</td>
<td>(CAS No) 7440-02-0 (EC no) 231-111-4 (EC index no) 028-002-00-7</td>
<td>1 - 10</td>
<td>Carc. 2, H351 STOT RE 1, H372 Skin Sens. 1, H317</td>
</tr>
<tr>
<td>boric acid substance listed as REACH Candidate</td>
<td>(CAS No) 10043-35-3 (EC no) 233-139-2 (EC index no) 005-007-00-2</td>
<td>1 - 10</td>
<td>Repr. 1B, H360FD</td>
</tr>
<tr>
<td>potassium bifluoride, potassium hydrogen difluoride</td>
<td>(CAS No) 7789-29-9 (EC no) 232-156-2 (EC index no) 009-008-00-9</td>
<td>1 - 10</td>
<td>Acute Tox. 3 (Oral), H301 Skin Corr. 1B, H314</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light, Kerosine - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 °C to 290 °C (302 °F to 554 °F);] substance with a Community workplace exposure limit</td>
<td>(CAS No) 64742-47-8 (EC no) 265-149-6 (EC index no) 649-422-00-2</td>
<td>1 - 10</td>
<td>Asp. Tox. 1, H304</td>
</tr>
</tbody>
</table>

**Specific concentration limits:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>Specific concentration limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>boric acid</td>
<td>(CAS No) 10043-35-3 (EC no) 233-139-2 (EC index no) 005-007-00-2</td>
<td>(C &gt;= 5.5) Repr. 1B, H360FD</td>
</tr>
<tr>
<td>potassium bifluoride, potassium hydrogen difluoride</td>
<td>(CAS No) 7789-29-9 (EC no) 232-156-2 (EC index no) 009-008-00-9</td>
<td>(0.1 &lt;= C &lt; 1) Skin Irrit. 2, H315 (0.1 &lt;= C &lt; 1) Eye Irrit. 2, H319 (C &gt;= 1) Skin Corr. 1B, H314</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

---

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

- **First-aid measures general**: Get immediate medical advice/attention.
- **First-aid measures after inhalation**: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.
- **First-aid measures after skin contact**: Wash skin with plenty of water. Take off contaminated clothing. Get immediate medical advice/attention.
- **First-aid measures after eye contact**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
- **First-aid measures after ingestion**: Rinse mouth. Do not induce vomiting. Get immediate medical advice/attention.
**Silver Braze 54, 40Ni2, 50Ni2, 49Ni4, 63, 56Ni2 (V-HIAF Pastes)**

**Safety Data Sheet**

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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

- **Symptoms/injuries after inhalation**: May cause respiratory irritation. May cause cancer by inhalation.
- **Symptoms/injuries after skin contact**: May cause an allergic skin reaction. Burns.
- **Symptoms/injuries after eye contact**: Causes serious eye damage.
- **Symptoms/injuries after ingestion**: Burns.

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

Treat symptomatically.

**SECTION 5: Firefighting measures**

5.1. **Extinguishing media**

Suitable extinguishing media: Dry powder. Use extinguishing media appropriate for surrounding fire.

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

- **Fire hazard**: The product is not flammable.
- **Explosion hazard**: Product is not explosive.
- **Reactivity in case of fire**: Not known.
- **Hazardous decomposition products in case of fire**: Toxic fumes may be released.

5.3. **Advice for firefighters**

- **Precautionary measures fire**: No special measures required.
- **Firefighting instructions**: Use extinguishing media appropriate for surrounding fire.
- **Protection during firefighting**: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

**SECTION 6: Accidental release measures**

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

- **General measures**: Avoid release to the environment.

6.1.1. **For non-emergency personnel**

- **Protective equipment**: Wear suitable protective clothing, gloves and eye or face protection.
- **Emergency procedures**: Ventilate spillage area. Avoid dust formation. Do not breathe dust, fume. Avoid contact with skin and eyes.
- **Measures in case of dust release**: Where excessive dust may result, use approved respiratory protection equipment.

6.1.2. **For emergency responders**

- **Protective equipment**: Do not attempt to take action without suitable protective equipment. Wear suitable protective clothing, gloves and eye or face protection. For further information refer to section 8: “Exposure controls/personal protection”. Avoid contact with skin and eyes. Do not breathe Dust, Fumes.
- **Emergency procedures**: Ventilate area. Avoid dust formation.

6.2. **Environmental precautions**

Avoid release to the environment.

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

- **For containment**: Collect spillage.
- **Methods for cleaning up**: Take up liquid spill into absorbent material. Place in an appropriate container and dispose of the contaminated material at a licensed site. This material and its container must be disposed of in a safe way, and as per local legislation.
- **Other information**: This material and its container must be disposed of as hazardous waste.

6.4. **Reference to other sections**

For further information refer to section 8: “Exposure controls/personal protection”. For disposal of solid materials or residues refer to section 13: “Disposal considerations”.

**SECTION 7: Handling and storage**

7.1. **Precautions for safe handling**

- **Precautions for safe handling**: Ensure good ventilation of the work station. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe dust, fume.
- **Hygiene measures**: Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Separate working clothes from town clothes. Launder separately.

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

- **Technical measures**: Ensure adequate ventilation, especially in confined areas.
- **Storage conditions**: Store locked up. Store in a well-ventilated place. Keep cool.
Silver Braze 54, 40Ni2, 50Ni2, 49Ni4, 63, 56Ni2 (V-HIAF Pastes)

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Incompatible materials: Acetylene, ammonia, ammonium nitrate, aqua regia, dioxane, ethylene oxide, chlorine trifluoride, halogens, hydrogen peroxide, hydrazine, hydrazine, mononitrate, hydrazoic acid, hydroxylamine, hydrogen sulfide, performic acid, phosphorus, selenium, sulfur, titanium plus potassium chloride. Bromates, chlorates and iodates of alkali and alkali earth metals.

Storage area: Store in a well-ventilated place.
Packaging materials: Keep only in original container.

7.3. Specific end use(s)
Other hot work operations with metals.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>Local name</th>
<th>EU IOELV TWA (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silver (7440-22-4)</td>
<td>Silver, metallic</td>
<td>0.1 mg/m³</td>
</tr>
</tbody>
</table>

Distillates (petroleum), hydrotreated light, Kerosine - unspecified, [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 °C to 290 °C (302 °F to 554 °F).] (64742-47-8)

<table>
<thead>
<tr>
<th>Substance</th>
<th>EU IOELV TWA (mg/m³)</th>
<th>EU IOELV TWA (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>≈ 200 mg/m³</td>
<td>≈ 197 ppm</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station.
Materials for protective clothing: Wear suitable protective clothing
Hand protection: Protective gloves
Eye protection: Wear tight fitting safety glasses or face shield. Safety glasses
Skin and body protection: Wear suitable protective clothing
Respiratory protection: Combined gas/dust mask with filter type P1

Environmental exposure controls: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Paste.</td>
</tr>
<tr>
<td>Colour</td>
<td>Silver.</td>
</tr>
<tr>
<td>Odour</td>
<td>odourless.</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Non flammable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapour density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Solubility</td>
<td>insoluble in water.</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
Silver Braze 54, 40Ni2, 50Ni2, 49Ni4, 63, 56Ni2 (V-HIAF Pastes)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Viscosity, dynamic : No data available
Explosive properties : Product is not explosive.
Oxidising properties : Oxidising solids Not applicable.
Explosive limits : Not applicable

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid
None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials
Acetylene, ammonia, ammonium nitrate, aqua regia, dioxane, ethylene oxide, chlorine trifluoride, halogens, hydrogen peroxide, hydrazine, hydrazine, mononitrate, hydrazoic acid, hydroxylamine, hydrogen sulfide, performic acid, phosphorus, selenium, sulfur, titanium plus potassium chloride. Bromates, chlorates and iodates of alkali and alkali earth metals.

10.6. Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity : Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation : Causes severe skin burns and eye damage.
Serious eye damage/irritation : Serious eye damage, category 1, implicit
Respiratory or skin sensitisation : May cause an allergic skin reaction.
Long-term exposure to brazing fume, gases, or dust may contribute to pulmonary irritation or pneumoconiosis.
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Suspected of causing cancer (if inhaled).
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (single exposure) : Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity (repeated exposure) : May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)
Potential adverse human health effects and symptoms : May cause cancer.
IARC group : 2B
Other information : Likely routes of exposure: inhalation.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.
Ecology - water : Before neutralisation, the product may represent a danger to aquatic organisms.

12.2. Persistence and degradability
Silver Braze 54, 40Ni2, 50Ni2, 49Ni4, 63, 56Ni2 (V-HIAF Pastes)  
Persistence and degradability : The product is not biodegradable.

12.3. Bioaccumulative potential
Silver Braze 54, 40Ni2, 50Ni2, 49Ni4, 63, 56Ni2 (V-HIAF Pastes)  
Bioaccumulative potential : Not established.
Silver Braze 54, 40Ni2, 50Ni2, 49Ni4, 63, 56Ni2 (V-HIAF Pastes)

12.4. Mobility in soil

Silver Braze 54, 40Ni2, 50Ni2, 49Ni4, 63, 56Ni2 (V-HIAF Pastes)

Ecology - soil

Not established.

12.5. Results of PBT and vPvB assessment

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>boric acid (10043-35-3)</td>
<td>This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII</td>
</tr>
<tr>
<td></td>
<td>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII</td>
</tr>
</tbody>
</table>

12.6. Other adverse effects

Other adverse effects : None known.

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector’s sorting instructions.

Waste disposal recommendations : Avoid release to the environment. Discharging into rivers and drains is forbidden. Dispose of contents/container to a hazardous or special waste collection point.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

<table>
<thead>
<tr>
<th>UN-No. (ADR)</th>
<th>UN-No. (IMDG)</th>
<th>UN-No. (IATA)</th>
<th>UN-No. (ADN)</th>
<th>UN-No. (RID)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1759</td>
<td>1759</td>
<td>1759</td>
<td>1759</td>
<td>1759</td>
</tr>
</tbody>
</table>

14.2. UN proper shipping name

<table>
<thead>
<tr>
<th>Proper Shipping Name (ADR)</th>
<th>Proper Shipping Name (IMDG)</th>
<th>Proper Shipping Name (IATA)</th>
<th>Proper Shipping Name (ADN)</th>
<th>Proper Shipping Name (RID)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORROSIVE SOLID, N.O.S.</td>
<td>CORROSIVE SOLID, N.O.S.</td>
<td>Corrosive solid, n.o.s.</td>
<td>CORROSIVE SOLID, N.O.S.</td>
<td>CORROSIVE SOLID, N.O.S.</td>
</tr>
</tbody>
</table>

Transport document description (ADR) : UN 1759 CORROSIVE SOLID, N.O.S. (potassium bifluoride, potassium hydrogen difluoride(7789-29-9)), 8, II, (E)

Transport document description (IMDG) : UN 1759 CORROSIVE SOLID, N.O.S., 8, II

14.3. Transport hazard class(es)

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport hazard class(es) (ADR) : 8</td>
<td>Transport hazard class(es) (IMDG) : 8</td>
</tr>
<tr>
<td>Danger labels (ADR) : 8</td>
<td>Danger labels (IMDG) : 8</td>
</tr>
</tbody>
</table>
Silver Braze 54, 40Ni2, 50Ni2, 49Ni4, 63, 56Ni2 (V-HIAF Pastes)

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<table>
<thead>
<tr>
<th>14.4. Packing group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Packing group (ADR) : II</td>
</tr>
<tr>
<td>Packing group (IMDG) : II</td>
</tr>
<tr>
<td>Packing group (IATA) : II</td>
</tr>
<tr>
<td>Packing group (ADN) : II</td>
</tr>
<tr>
<td>Packing group (RID) : II</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.5. Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dangerous for the environment : No</td>
</tr>
<tr>
<td>Marine pollutant : No</td>
</tr>
<tr>
<td>Other information : No supplementary information available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.6. Special precautions for user</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Overland transport</td>
</tr>
<tr>
<td>Classification code (ADR) : C10</td>
</tr>
<tr>
<td>Special provisions (ADR) : 274</td>
</tr>
<tr>
<td>Limited quantities (ADR) : 1kg</td>
</tr>
<tr>
<td>Excepted quantities (ADR) : E2</td>
</tr>
<tr>
<td>Packing instructions (ADR) : P002, IBC08</td>
</tr>
<tr>
<td>Special packing provisions (ADR) : B4</td>
</tr>
<tr>
<td>Mixed packing provisions (ADR) : MP10</td>
</tr>
<tr>
<td>Portable tank and bulk container instructions (ADR) : T3</td>
</tr>
<tr>
<td>Portable tank and bulk container special provisions (ADR) : TP33</td>
</tr>
<tr>
<td>Tank code (ADR) : SGAN, L4BN</td>
</tr>
<tr>
<td>Vehicle for tank carriage : AT</td>
</tr>
<tr>
<td>Transport category (ADR) : 2</td>
</tr>
<tr>
<td>Special provisions for carriage - Packages (ADR) : V11</td>
</tr>
<tr>
<td>Hazard identification number (Kemler No.) : 80</td>
</tr>
</tbody>
</table>
## Silver Braze 54, 40Ni2, 50Ni2, 49Ni4, 63, 56Ni2 (V-HIAF Pastes)

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

<table>
<thead>
<tr>
<th>Orange plates</th>
<th>80 1759</th>
</tr>
</thead>
</table>

| Tunnel restriction code (ADR) | E |

### - Transport by sea

- **Special provisions (IMDG)**: 274
- **Limited quantities (IMDG)**: 1 kg
- **Excepted quantities (IMDG)**: E2
- **Packing instructions (IMDG)**: P002
- **IBC packing instructions (IMDG)**: IBC08
- **IBC special provisions (IMDG)**: B2, B4
- **Tank instructions (IMDG)**: T3
- **Tank special provisions (IMDG)**: TP33

| EmS-No. (Fire) | F-A |
| EmS-No. (Spillage) | S-B |
| Stowage category (IMDG) | A |
| Properties and observations (IMDG) | Causes burns to skin, eyes and mucous membranes. |
| MFAG-No | 154 |

### - Air transport

- **PCA Excepted quantities (IATA)**: E2
- **PCA Limited quantities (IATA)**: Y844
- **PCA limited quantity max net quantity (IATA)**: 5kg
- **PCA packing instructions (IATA)**: 859
- **PCA max net quantity (IATA)**: 15kg
- **CAO packing instructions (IATA)**: 863
- **CAO max net quantity (IATA)**: 50kg
- **Special provisions (IATA)**: A3
- **ERG code (IATA)**: 8L

### - Inland waterway transport

- **Classification code (ADN)**: C10
- **Special provisions (ADN)**: 274
- **Limited quantities (ADN)**: 1 kg
- **Excepted quantities (ADN)**: E2
- **Equipment required (ADN)**: PP, EP
- **Number of blue cones/lights (ADN)**: 0

### - Rail transport

- **Classification code (RID)**: C10
- **Special provisions (RID)**: 274
- **Limited quantities (RID)**: 1kg
- **Excepted quantities (RID)**: E2
- **Packing instructions (RID)**: P002, IBC08
- **Special packing provisions (RID)**: B4
- **Mixed packing provisions (RID)**: MP10
- **Portable tank and bulk container instructions (RID)**: T3
- **Portable tank and bulk container special provisions (RID)**: TP33
- **Tank codes for RID tanks (RID)**: SGAN, L4BN
- **Transport category (RID)**: 2
- **Special provisions for carriage – Packages (RID)**: W11
- **Colis express (express parcels) (RID)**: CE10
- **Hazard identification number (RID)**: 80

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable
SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions
Contains a substance on the REACH candidate list in concentration ≥ 0.1% or with a lower specific limit: Boric acid (EC 233-139-2, CAS 10043-35-3)
Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>Acute Tox. 3 (Oral)</th>
<th>Acute toxicity (oral), Category 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard, Category 1</td>
</tr>
<tr>
<td>Carc. 2</td>
<td>Carcinogenicity, Category 2</td>
</tr>
<tr>
<td>Repr. 1B</td>
<td>Reproductive toxicity, Category 1B</td>
</tr>
<tr>
<td>Skin Corr. 1B</td>
<td>Skin corrosion/irritation, Category 1B</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Sensitisation — Skin, Category 1</td>
</tr>
<tr>
<td>STOT RE 1</td>
<td>Specific target organ toxicity — Repeated exposure, Category 1</td>
</tr>
<tr>
<td>H301</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H351</td>
<td>Suspected of causing cancer</td>
</tr>
<tr>
<td>H360FD</td>
<td>May damage fertility. May damage the unborn child</td>
</tr>
<tr>
<td>H372</td>
<td>Causes damage to organs through prolonged or repeated exposure</td>
</tr>
<tr>
<td>H373</td>
<td>May cause damage to organs through prolonged or repeated exposure</td>
</tr>
</tbody>
</table>

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.