2. HAZARDS IDENTIFICATION

Classification of the hazardous product

WHMIS 2015: The product is not classified.

Label elements

The substance/mixture does not meet the criteria for classification and labelling.

Other hazards

Contains 1,2-Benzenothiazolin-3-one. May produce an allergic reaction.
Contains a substance/a group of substances with possible risk of harm to the unborn child and with possible risk of impaired fertility.

PBT/vPvB: Not Classified as PBT/vPvB by current EU criteria.
3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

The product contains: Boric acid, salts, glycols and water.

WHMIS 2015:

<table>
<thead>
<tr>
<th>%</th>
<th>CAS-No.</th>
<th>EC No.</th>
<th>REACH Reg No.</th>
<th>Chemical name</th>
<th>Hazard classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-&lt;10</td>
<td>105-59-9</td>
<td>203-312-7</td>
<td>01-2119488970-24-xxxxx</td>
<td>2,2′-(Methylimino)diethanol</td>
<td>Eye Irritation Category 2</td>
<td></td>
</tr>
<tr>
<td>&lt; 5.5</td>
<td>10043-35-3</td>
<td>233-139-2</td>
<td>-</td>
<td>Boric acid</td>
<td>Reproductive Toxicity Category 1B</td>
<td>SCL</td>
</tr>
<tr>
<td>0.005-&lt;0.05</td>
<td>2634-33-5</td>
<td>220-120-9</td>
<td>-</td>
<td>1,2-Benzisothiazolin-3-one</td>
<td>Acute (Oral) Toxicity Category 4</td>
<td></td>
</tr>
</tbody>
</table>

Notes: SCL: Specific Concentration Limit

4. FIRST-AID MEASURES

Description of first-aid measures

Inhalation: Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

Skin contact: Remove contaminated clothes and rinse skin thoroughly with water.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: Rinse mouth thoroughly. DO NOT induce vomiting. Get medical attention immediately. (*)

Most important symptoms and effects, both acute and delayed

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Treat symptomatically.
5. FIRE-FIGHTING MEASURES

Extinguishing media
Extinguish with foam, carbon dioxide or dry powder. Do not use water as an extinguisher.

Specific hazards arising from the hazardous product
Specific hazards: In case of fire, toxic gases may be formed (COx, NOx).

Advice for fire-fighters
Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
For non-emergency personnel: Avoid contact with skin and eyes. For personal protection, see section 8.
For emergency responders: No specific recommendations. For personal protection, see section 8.

Environmental precautions
Environmental precautions: Avoid discharge into water courses or onto the ground.

Methods and material for containment and cleaning up
Spill Cleanup Methods: Dam and absorb spillage with sand, sawdust or other absorbent.

Reference to other items
References: For personal protection, see section 8. For waste disposal, see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling
Safe handling advice: Avoid inhalation of vapors and contact with skin and eyes. Observe good chemical hygiene practices.

Technical measures: Work practice should minimize contact.

Technical precautions: Local exhaust is recommended.

Conditions for safe storage, including any incompatibilities
Storage conditions: Store in tightly closed original container. Protect from freezing and direct sunlight.

Specific end-use(s)
Specific use(s): No information available.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Other provincial OEL's may apply.

Occupational exposure limits:

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Chemical name</th>
<th>As:</th>
<th>Exposure limits:</th>
<th>Type:</th>
<th>Notes:</th>
<th>References:</th>
</tr>
</thead>
<tbody>
<tr>
<td>-</td>
<td>Borate compounds, inorganic, inhalable fraction</td>
<td>-</td>
<td>2 mg/m3 8h</td>
<td>A4; ACGIH2015</td>
<td>New Brunswick</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>-</td>
<td>6 mg/m3 15min</td>
<td>A4; ACGIH2015; 15min</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes: A4: Not Classifiable as a Human Carcinogen.

Exposure controls

Engineering measures: Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

Personal protection: Personal protection equipment should be chosen according to relevant standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: In case of inadequate ventilation use suitable respirator. It is recommended to use respiratory equipment with combination filter, type A2/P2.

Hand protection: Wear protective gloves. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Breakthrough time: 4 hours Thickness: 0,4 mm (*)

Eye protection: Risk of contact: Wear goggles/face shield.

Skin protection: Wear apron or protective clothing in case of splashes.

Environmental Exposure Controls: Not available.
9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Form: Liquid.

Colour: The colour can vary slightly from batch to batch.

Odour: mild

Odour threshold: Not available.

pH: 9.1 (23°C / 50 g/l)

Melting point: Not available.

Boiling point: Not available.

Flash point: >120°C (*)

Evaporation rate: Not available.

Flammability (solid, gas): Not available.

Explosion limits: Not relevant.

Vapour pressure: Not available.

Vapour density: Not available.

Relative density: 1.08

Solubility: Miscible with water.

Partition coefficient (n-octanol/water): Not available.

Auto-ignition temperature (°C): Not available.

Decomposition temperature (°C): Not available.

Viscosity: Kinematic viscosity: 13 mm²/s (20°C)

Explosive properties: Not considered to be explosive.

Oxidising properties: Not available.

Other information

Other data: No information available.
10. STABILITY AND REACTIVITY

**Reactivity**
Reactivity: No data available.

**Chemical stability**
Stability: Stable under normal temperature conditions.

**Possibility of hazardous reactions**
Hazardous Reactions: No data available.

**Conditions to avoid**
Conditions/materials to avoid: No information available.

**Incompatible materials**
Incompatible materials: Strong oxidising agents.

**Hazardous decomposition products**
Hazardous decomposition products: NOx, CO.
11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects**

**Acute Toxicity (Oral):** Based on available data, the classification criteria are not met.

**Acute Toxicity (Dermal):** Based on available data, the classification criteria are not met.

**Acute Toxicity (Inhalation):** Based on available data, the classification criteria are not met.

**Skin Corrosion/Irritation:** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:** Based on available data, the classification criteria are not met.

**Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

**Carcinogenicity:** Based on available data, the classification criteria are not met. National Toxicology Program (NTP): No. IARC Not Listed.

**Reproductive Toxicity:** Based on available data, the classification criteria are not met.

**STOT - Single exposure:** Based on available data, the classification criteria are not met.

**STOT - Repeated exposure:** Based on available data, the classification criteria are not met.

**Aspiration hazard:** Based on available data, the classification criteria are not met.

**Inhalation:** Not relevant at normal room temperatures. When heated, irritating vapors may be formed.

**Skin contact:** Prolonged or frequent contact may cause redness, itching, eczema and skin cracking. The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals in contact with skin.

**Eye contact:** Splashes may irritate.

**Ingestion:** May irritate and cause malaise.

**Specific effects:** Contains a substance/a group of substances with possible risk of harm to the unborn child and with possible risk of impaired fertility.

12. ECOLOGICAL INFORMATION

**Ecotoxicity**

**Ecotoxicity:** The product is not expected to be hazardous to the environment.

**Persistence and degradability**

**Degradability:** The degradability of the product has not been stated.

**Bioaccumulative potential**

**Bioaccumulative potential:** No data available on bioaccumulation.

**Mobility in soil**

**Mobility:** No data available.

**Results of PBT and vPvB assessment**

**PBT/vPvB:** This product does not contain any PBT or vPvB substances.

**Other adverse effects**

**Other adverse effects:** No information available.
13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

- **Waste from residues:** Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.
- **Contaminated packaging:** Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, TDG).

**UN number**

- **UN-No:**

**UN proper shipping name**

- **Proper Shipping Name:**

**Transport hazard class(es)**

- **Class:**

**Packing group**

- **PG:**

**Environmental hazards**

- **Marine pollutant:**
- **Environmentally Hazardous substance:**

**Special precautions for user**

- **Special precautions:** None known.

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

- **Transport in bulk:** Not relevant
15. REGULATORY INFORMATION

Safety, health and environmental regulations specific to the product

Special provisions: This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

DSL: Not available.

National regulation: Hazardous Products Regulations, with amendments.

Canadian Environmental Protection Act, Reporting for the Domestic Substances List (DSL), with amendments.

Department of Justice. Canadian Environmental Protection Act 1999 (CEPA), 1999, c. 33, with amendments.


Ontario: Control of Exposure to Biological or Chemical Agents R.R.O. 1990, Reg. 833, with amendments (2016).

Quebec: Regulation respecting the quality of the work environment, with amendments (2013-12-13).

16. OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 1, 4, 8, 9. The (*) indicates the changes made with respect to the previous version.

Approved by DHI.

Abbreviations and acronyms used in the safety data sheet:

PBT = Persistent, Bioaccumulative and Toxic.

vPvB = very Persistent and very Bioaccumulative.

Additional information: Classification according to WHMIS 2015:

Calculation method.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.