1. Product and Company Identification

Company
BASF Canada Inc.
100 Milverton Drive
Mississauga, ON L5R 4H1, CANADA

24 Hour Emergency Response Information
CANUTEC (reverse charges): (613) 996-6666
BASF HOTLINE: (800) 454-COPE (2673)

Molecular formula: C(10) H(11) N(2) O(3) S Na
Chemical family: benzothiadiazole
PCP#22006
Synonyms: sodium bentazon

2. Hazards Identification

Emergency overview

WARNING:
POISON.
Contains the allergen soy.
Potential skin sensitizer.
DANGER:
Corrosive to eyes.

State of matter: liquid
Colour: red
Odour: almost odourless

Potential health effects

Acute toxicity:
Virtually nontoxic after a single skin contact. Of moderate toxicity after short-term inhalation. Of moderate toxicity after single ingestion.

Irritation / corrosion:
Irritating to eyes and respiratory system. Prolonged contact with the product can result in skin irritation.

Sensitization:
Caused skin sensitization in animal studies.

Chronic toxicity:

Carcinogenicity: The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies gave no indication of a carcinogenic effect.
3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Content (W/W)</th>
<th>Hazardous ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>50723-80-3</td>
<td>44.0 %</td>
<td>1H-2,1,3-Benzothiadiazin-4(3H)-one, 3-(1-methylethyl)-, 2,2-dioxide, sodium salt</td>
</tr>
<tr>
<td>68002-96-0</td>
<td>&lt; 20.0 %</td>
<td>Alcohols, C16-18, ethoxylated propoxylated</td>
</tr>
</tbody>
</table>

4. First-Aid Measures

**General advice:**
First aid providers should wear personal protective equipment to prevent exposure. Remove contaminated clothing. Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or physician for treatment advice. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

**If inhaled:**
Keep patient calm, remove to fresh air. Assist in breathing if necessary. Consult a physician.

**If on skin:**
Wash affected areas thoroughly with soap and water. Remove contaminated clothing. If irritation develops, seek medical attention.

**If in eyes:**
Hold eyelids open to facilitate rinsing. Flush with copious amounts of water for at least 15 minutes. If symptoms persist, seek medical advice.

**If swallowed:**
If person is conscious and can swallow, give two glasses of water. Induce vomiting. Immediate medical attention required.

**Note to physician**
Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

**Flash point:**
Non-flammable.

**Autoignition:**
not applicable

**Lower explosion limit:**
not determined

**Upper explosion limit:**
not determined

**Flammability:**
does not ignite (Directive 92/69/EEC, A.12)

**Self-ignition temperature:**
approx. 480 °C (Directive 92/69/EEC, A.15)

**Suitable extinguishing media:**
foam, dry powder, carbon dioxide, water spray

**Hazards during fire-fighting:**
carbon monoxide, carbon dioxide, Hydrocarbons, nitrogen oxides, sulfur oxides
If product is heated above decomposition temperature, toxic vapours will be released. The substances/groups of substances mentioned can be released if the product is involved in a fire.

**Protective equipment for fire-fighting:**
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.
Further information:
Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. In case of fire and/or explosion do not breathe fumes. Keep containers cool by spraying with water if exposed to fire.

6. Accidental release measures

Personal precautions:
Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

Environmental precautions:
Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater. Contain contaminated water/firefighting water.

Cleanup:
For large amounts: Pump off product.
For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Handling
General advice:
Ensure adequate ventilation. Keep container tightly sealed. Protect against heat. Wear suitable personal protective clothing and equipment.

Protection against fire and explosion:
No special precautions necessary. The substance/product is non-combustible. Product is not explosive.

Storage
General advice:
Keep away from heat. Protect from direct sunlight.

Storage incompatibility:
General advice: Segregate from foods and animal feeds.

8. Exposure Controls and Personal Protection

Users of a pesticidal product should refer to the product label for personal protective equipment requirements.

Personal protective equipment

Respiratory protection:
Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified air purifying respirator.

Hand protection:
Chemical resistant protective gloves, Suitable materials, rubber, plastic

Eye protection:
Tightly fitting safety goggles (chemical goggles).
Body protection:
Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures:
The statements on personal protective equipment in the instructions for use apply when handling crop-protection agents in final-consumer packing. Wearing of closed work clothing is recommended. Wash soiled clothing immediately.

9. Physical and Chemical Properties

Form: liquid
Odour: almost odourless
Odour threshold: No data available.
Colour: red
pH value: approx. 7 - 9
crystallization temperature: -12.5 °C
Boiling point: approx. 100 °C  
Information applies to the solvent.
Vapour pressure: not determined
Density: approx. 1.19 g/cm³  
Information applies to the solvent.
(approx. 1.19 g/cm³)  
(20 °C)  
(OECD Guideline 109)
Relative density: 1.20  
(20 °C)  
(OECD Guideline 109)
Vapour density: not determined
Partitioning coefficient n-octanol/water (log Pow): not applicable
Viscosity, dynamic: approx. 87 mPa.s  
(20 °C)  
(OECD 114)
Solubility in water: fully soluble

10. Stability and Reactivity

Conditions to avoid:

Substances to avoid:
acids, bases

Hazardous reactions:
No hazardous reactions if stored and handled as prescribed/indicated.

Decomposition products:
Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Oxidizing properties:
Based on its structural properties the product is not classified as oxidizing. (Directive 92/69/EEC, A.17)

11. Toxicological information

Acute toxicity

Oral:
Type of value: LD50
Species: rat
Value:  1,089 mg/kg
Moderately toxic.

Inhalation:
Type of value: LC50
Species: rat
Value: > 1.66 mg/l
Exposure time: 4 h
Highly toxic.

Dermal:
Type of value: LD50
Species: rat (male/female)
Value: > 2,000 mg/kg (OECD Guideline 402)

Irritation / corrosion

Skin:
Species: rabbit
Result: mildly irritating
Method: OECD Guideline 404

Eye:
Species: rabbit
Result: Irritating.

Sensitization:
Guinea pig maximization test
Species: guinea pig
Result: Caused skin sensitization in animal studies.
Method: OECD Guideline 406

12. Ecological Information

Fish

Acute:
EPA 72-1 static
Oncorhynchus mykiss/LC50 (96 h): approx. 2.2 mg/l

Aquatic invertebrates

Acute:
Daphnia magna/EC50 (48 h): approx. 4.91 mg/l

Aquatic plants

Toxicity to aquatic plants:
OECD Guideline 201 green algae/EC50 (72 h): 2.71 mg/l

OECD guideline 221 static
swollen duckweed/EC50 (7 d): approx.26.6 mg/l

Degradability / Persistence

Biological / Abiological Degradation

Evaluation: Not readily biodegradable (by OECD criteria).

Bioaccumulation

The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: bentazone
Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Environmental mobility:

Information on: bentazone
Assessment transport between environmental compartments:
Adsorption to solid soil phase is very low.

13. Disposal considerations

Waste disposal of substance:
Must be sent to a suitable incineration plant, observing local regulations.

Container disposal:
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Land transport
TDG
Not classified as a dangerous good under transport regulations

Sea transport
IMDG
Hazard class: 9
Packing group: III
ID number: UN 3082
Hazard label: 9, EHSM
Marine pollutant: YES
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains FATTY ALCOHOL ALCOXYLATE)

Air transport
IATA/ICAO
Hazard class: 9
Packing group: III
ID number: UN 3082
Hazard label: 9, EHSM
Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains FATTY ALCOHOL ALCOXYLATE)

15. Regulatory Information

Federal Regulations

Registration status:
Chemical DSL, CA released / exempt
WHMIS does not apply to this product.

**THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.**

### 16. Other Information

**Recommended use:** herbicide

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.