1. IDENTIFICATION

Product Identifier
Product Name
Badge II

Other means of identification
SDS #
ADAMA-209

Registration Number(s)
Not registered in the US
Pest Control Product Reg. No. 30370

UN/ID No
UN3082

Recommended use of the chemical and restrictions on use
Recommended Use
Herbicide.

Details of the supplier of the safety data sheet
Manufacturer Address
ADAMA Agricultural Solutions Canada Ltd.
302 – 179 McDermot Avenue
Winnipeg, MB R2B 0S1
1-855-264-6262

Emergency Telephone Number
Emergency Telephone (24 hr)
For fire, spill and/or leak contact INFOTRAC:
1-800-535-5053 (North America) 1-352-323-3500 (International)
For medical emergencies and health/safety inquiries, contact PROSAR:
1-877-250-9291

2. HAZARDS IDENTIFICATION

This chemical is a product registered by the Canadian Pest Control Products Act and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-PCPA registered chemicals. Please see Section 15 for additional information.

This product has been classified according to Canada’s Hazardous Product Regulations (WHMIS 2015) and the US Hazard Communication Standard (HCS 2012).

Appearance  Amber to brown liquid  Physical state  Liquid  Odor  Characteristic phenolic and hydrocarbon

Classification

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Oral</td>
<td>Category 4</td>
</tr>
<tr>
<td>Acute toxicity - Inhalation (Dusts/Mists)</td>
<td>Category 4</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2B</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 2</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

Signal Word
Danger
**Hazard statements**
Harmful if swallowed
Harmful if inhaled
Causes eye irritation
May cause an allergic skin reaction
Suspected of causing cancer
May be fatal if swallowed and enters airways

**Precautionary Statements - Prevention**
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Contaminated work clothing must not be allowed out of the workplace

**Precautionary Statements - Response**
If exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse
IF INHALED: Remove person to fresh air and keep comfortable for breathing
Call a POISON CENTER or doctor/physician if you feel unwell
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth
Do NOT induce vomiting

**Precautionary Statements - Storage**
Store locked up. Keep out of the reach of children.

**Precautionary Statements - Disposal**
Dispose of in accordance with federal, state and local regulations

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCPA, 2-ethylhexyl ester</td>
<td>29450-45-1</td>
<td>30-35</td>
</tr>
<tr>
<td>Bromoxynil octanoate (octanoic acid,2,6-dibromo-4-cyanophenyl ester)</td>
<td>1689-99-2</td>
<td>30-35</td>
</tr>
<tr>
<td>Solvent #1</td>
<td>Proprietary</td>
<td>25-30</td>
</tr>
<tr>
<td>Emulsifiers</td>
<td>Proprietary</td>
<td>5-10</td>
</tr>
<tr>
<td>Solvent #2</td>
<td>Proprietary</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**
4. FIRST AID MEASURES

First Aid Measures

General Advice

If exposed or concerned: Get medical advice/attention.

Eye Contact

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

Skin Contact

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. Do NOT induce vomiting.

Most important symptoms and effects

Symptoms

Harmful if swallowed. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Suspected of causing cancer. May be fatal if swallowed and enters airways.

Indication of any immediate medical attention and special treatment needed

Notes to Physician

This product contains petroleum distillates. Vomiting may cause aspiration pneumonia. High concentrations of MCPA may cause severe irritation to the eyes. Symptoms of overexposure to MCPA could include slurred speech, twitching, jerking and spasms, drooling, low-blood pressure and unconsciousness. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Alcohol foam. Carbon dioxide (CO2). Dry chemical.

Unsuitable Extinguishing Media

Not determined.

Specific Hazards Arising from the Chemical

When heated above the flash point, this material emits vapors which, when mixed with air, can burn or be explosive. Heavier than air, vapors may travel to an ignition source.

Hazardous Combustion Products

Hydrogen bromide, other bromine compounds, carbon dioxide, carbon monoxide, oxides of nitrogen, oxides of sulfur and other potentially toxic combustion products may be present.

Explosion Data

Sensitivity to Mechanical Impact

No sensitivity expected based on similar products.

Sensitivity to Static Discharge

Sensitivity possible based on solvent data.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Use safety equipment and procedures appropriate to the size of the spill. Keep potential ignition sources and unnecessary people away.
Environmental precautions

Environmental precautions Avoid runoff to natural waters and sewers.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Surround and absorb spills with inert material such as perlite, clay granules, vermiculite, sand or dirt. Contain all affect material in a closed, labeled container for proper disposal. Isolate from other waste materials. Clean contaminated area such as hard surfaces with detergent and water, collecting cleaning solution for proper disposal. Large spills to soil or similar surfaces may necessitate removal of top soil.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up. Keep out of the reach of children.

Incompatible Materials Avoid contact with strong acidic, basic or oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent #2</td>
<td>TWA: 10 ppm S*/ (vacated) TWA: 10 ppm (vacated) TWA: 50 mg/m³ (vacated) STEL: 15 ppm (vacated) STEL: 75 mg/m³</td>
<td>TWA: 10 ppm TWA: 50 mg/m³ STEL: 15 ppm STEL: 75 mg/m³</td>
<td>IDLH: 250 ppm TWA: 10 ppm TWA: 50 mg/m³ STEL: 15 ppm STEL: 75 mg/m³</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering Controls Please refer to the product label. Use only with adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Goggles or face shield when handling concentrate.

Skin and Body Protection Chemical-resistant gloves such as nitrile. Long sleeved shirt, long pants, socks and shoes suggested as minimum work clothing. Generally, a second layer such as coveralls suggested for handling concentrate. Use other equipment to specific situation.

Respiratory Protection Use an approved pesticide respirator if ventilation is not adequate or exposure to sprays, mists or concentrated vapors is likely.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.
9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Amber to brown liquid</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic phenolic and hydrocarbon</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Amber to brown</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>Approximately 7-8 (1% aqueous)</td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Approximately 0°C/-20°C</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>NA, Hydrocarbon solvent 235°C -278°C.</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>&gt;100°C</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Relative Density</td>
<td>1.127 @25 °C</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Product is emulsifiable in water</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not determined</td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under normal use and recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Hazardous Polymerization
Will not occur.

Conditions to Avoid
None known.

Incompatible Materials
Avoid contact with strong acidic, basic or oxidizing agents.

Hazardous Decomposition Products
Hydrogen bromide, other bromine compounds, carbon dioxide, carbon monoxide, oxides of nitrogen, oxides of sulfur and other potentially toxic combustion products may be present.
11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact  Causes eye irritation.

Skin Contact  May cause an allergic skin reaction.

Inhalation  Harmful if inhaled.

Ingestion  Harmful if swallowed.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bromoxynil octanoate (octanoic acid,2,6-dibromo-4-cyanophenyl ester) 1689-99-2</td>
<td>= 250 mg/kg ( Rat ) = 238 mg/kg ( Rat )</td>
<td>= 1675 mg/kg ( Rabbit ) &gt; 2 mg/kg ( Rat )</td>
<td>-</td>
</tr>
<tr>
<td>MCPA, 2-ethylhexyl ester 29450-45-1</td>
<td>= 1300 mg/kg ( Rat )</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Solvent #1</td>
<td>&gt; 5000 mg/kg ( Rat )</td>
<td>&gt; 2 mL/kg ( Rabbit )</td>
<td>&gt; 590 mg/m³ ( Rat ) 4 h</td>
</tr>
<tr>
<td>Emulsifiers</td>
<td>&gt; 90 mL/kg ( Rat )</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Solvent #2</td>
<td>= 1110 mg/kg ( Rat ) = 490 mg/kg ( Rat )</td>
<td>= 1120 mg/kg ( Rabbit ) &gt; 20 g/kg ( Rabbit )</td>
<td>&gt; 340 mg/m³ ( Rat ) 1 h</td>
</tr>
</tbody>
</table>

Information on physical, chemical and toxicological effects

Symptoms  Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity  Suspected of causing cancer.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent #2</td>
<td>A3</td>
<td>Group 2B</td>
<td>Reasonably Anticipated</td>
<td>X</td>
</tr>
</tbody>
</table>

Legend
ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans
NTP (National Toxicology Program)
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Aspiration hazard  May be fatal if swallowed and enters airways.

Numerical measures of toxicity
Acute Oral LD50 (Rat): >700 mg/kg
Acute Dermal LD50 (Rabbit): >5,050 mg/kg
Acute Inhalation LC50 (Rat): 2.34 mg/L (4-hr)
Eye Irritation: Moderately irritating.
Dermal Irritation: Slightly irritating.
Dermal Sensitization: Not a skin contact sensitizer.
12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic organisms and non-target terrestrial plants. This product contains a petroleum distillate which is moderately to highly toxic to aquatic organisms. Avoid contamination of aquatic systems during application. Do not contaminate these systems through direct application, disposal of waste or cleaning equipment.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCPA, 2-ethylhexyl ester</td>
<td>0.46: 72 h Pseudokirchneriella subcapitata mg/L EC50 0.43: 96 h Pseudokirchneriella subcapitata mg/L EC50</td>
<td>3.2 - 4.6: 96 h Lepomis macrochirus mg/L LC50 flow-through 3.2: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.55: 96 h Lepomis macrochirus mg/L LC50 static</td>
<td>0.29: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Solvent #1</td>
<td>2.5: 72 h Skeletonema costatum mg/L EC50</td>
<td>41: 96 h Pimephales promelas mg/L LC50 1740: 96 h Lepomis macrochirus mg/L LC50 static 2.34: 96 h Oncorhynchus mykiss mg/L LC50 19: 96 h Pimephales promelas mg/L LC50 static 45: 96 h Pimephales promelas mg/L LC50 flow-through</td>
<td>0.95: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Solvent #2</td>
<td>0.4: 72 h Skeletonema costatum mg/L EC50</td>
<td>5.74 - 6.44: 96 h Pimephales promelas mg/L LC50 flow-through 1.99: 96 h Pimephales promelas mg/L LC50 static 0.91 - 2.62: 96 h Oncorhynchus mykiss mg/L LC50 static 1.6: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 31.0265: 96 h Lepomis macrochirus mg/L LC50 static</td>
<td>1.09 - 3.4: 48 h Daphnia magna mg/L EC50 Static 1.96: 48 h Daphnia magna mg/L EC50 Flow through 2.16: 48 h Daphnia magna mg/L LC50</td>
</tr>
</tbody>
</table>

Persistence/Degradability

Bromoxynil octanoate ester degrades readily to bromynil phenol in the environment. Representative soil half-lives are 2 days for the octanoate and 14 days for the phenol.

Bioaccumulation

Not determined.

Mobility

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent #1</td>
<td>2.9 - 6.1</td>
</tr>
<tr>
<td>Solvent #2</td>
<td>3.6</td>
</tr>
</tbody>
</table>

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations. Please review product label for Canadian container disposal requirements.

Other Information

Do not contaminate water, food or feed by storage or disposal.

Page 7 / 10
### Chemical Name

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent #2</td>
<td>U165</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Chemical Name**

- **Solvent #2**

**RCRA**

- U165

**RCRA - Basis for Listing**

- Included in waste streams: F024, F025, F034, F039, K001, K035, K060, K087, K145

**RCRA - D Series Wastes**

- U165

**RCRA - U Series Wastes**

- U165

**Chemical Name**

- **Solvent #2**

**RCRA - Halogenated Organic Compounds**

- Toxic waste

**Waste description:**

- Condensed light ends, spent filters and filter aids, and spent desiccant wastes from the production of certain chlorinated aliphatic hydrocarbons, by free radical catalyzed processes. These chlorinated aliphatic hydrocarbons are those having carbon chain lengths ranging from one to and including five, with varying amounts and positions of chlorine substitution.

### 14. TRANSPORT INFORMATION

**DOT**

- **UN/ID No**: UN3082
- **Proper Shipping Name**: Environmentally Hazardous Substance, liquid, n.o.s. (Bromoxynil)
- **Hazard Class**: 9
- **Packing Group**: III
- **Marine Pollutant**: Yes

**TDG**

- **UN/ID No**: UN3082
- **Proper Shipping Name**: Environmentally Hazardous Substance, liquid, n.o.s. (Bromoxynil)
- **Hazard Class**: 9
- **Packing Group**: III
- **Marine Pollutant**: Yes

**IATA**

- **UN/ID No**: UN3082
- **Proper Shipping Name**: Environmentally Hazardous Substance, liquid, n.o.s. (Bromoxynil)
- **Hazard Class**: 9
- **Packing Group**: III
- **Marine Pollutant**: Yes

**IMDG**

- **UN/ID No**: UN3082
- **Proper Shipping Name**: Environmentally Hazardous Substance, liquid, n.o.s. (Bromoxynil)
- **Hazard Class**: 9
- **Packing Group**: III
- **Marine Pollutant**: Yes
15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>DSL/NDSL</th>
<th>EINECS/ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bromoxynil octanoate (octanoic acid, 2,6-dibromo-4-cyanophenyl ester)</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>MCPA, 2-ethylhexyl ester</td>
<td></td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solvent #1</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>Present</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Emulsifiers</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>Present</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Solvent #2</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>Present</td>
<td>X</td>
<td>Present</td>
<td>X</td>
</tr>
</tbody>
</table>

Legend:
- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- **EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- **ENCS** - Japan Existing and New Chemical Substances
- **IECSC** - China Inventory of Existing Chemical Substances
- **KECL** - Korean Existing and Evaluated Chemical Substances
- **PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- **AICS** - Australian Inventory of Chemical Substances

US Federal Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/SARA RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent #2</td>
<td>100 lbs</td>
<td>100 lbs</td>
</tr>
</tbody>
</table>

SARA 313

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bromoxynil octanoate (octanoic acid, 2,6-dibromo-4-cyanophenyl ester)</td>
<td>1689-99-2</td>
<td>30-35</td>
<td>1.0</td>
</tr>
<tr>
<td>Solvent #2</td>
<td>&lt;1</td>
<td></td>
<td>0.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent #2</td>
<td>100 lb</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

US State Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bromoxynil octanoate (octanoic acid, 2,6-dibromo-4-cyanophenyl ester) - 1689-99-2</td>
<td>Developmental</td>
</tr>
<tr>
<td>Solvent #2</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bromoxynil octanoate (octanoic acid, 2,6-dibromo-4-cyanophenyl ester) - 1689-99-2</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Emulsifiers</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Solvent #2</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>
**Pesticide Registration Number**  Pest Control Product Reg. No. 30370

**Pest Control Product Statement**
This chemical is a pest product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets.
Read the approved label, authorized under the Pest Control Products Act, prior to using or handling the pest control product.

**Product Label**
DANGER POISON
WARNING - SKIN IRRITANT
POTENTIAL SKIN SENSITIZER
CAUTION – EYE IRRITANT
KEEP OUT OF THE REACH OF CHILDREN

**Difference between SDS and product label**

<table>
<thead>
<tr>
<th></th>
<th>Product Label</th>
<th>SDS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Signal Word</strong></td>
<td>Danger/Warning/Caution</td>
<td>Danger</td>
</tr>
<tr>
<td>Acute toxicity – Oral</td>
<td>N/A</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>Acute toxicity - Inhalation</td>
<td>N/A</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>Skin irritation/corrosion</td>
<td>Skin irritant</td>
<td>N/A</td>
</tr>
<tr>
<td>Eye damage/irritation</td>
<td>Eye irritant</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>Skin sensitzation</td>
<td>Skin sensitizer</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>N/A</td>
<td>Suspected of causing cancer</td>
</tr>
<tr>
<td>Aspiration</td>
<td>N/A</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
</tbody>
</table>

**16. OTHER INFORMATION**

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>0</td>
<td>None</td>
<td></td>
<td>2</td>
<td>2</td>
<td>2</td>
<td></td>
<td>See Section 8</td>
</tr>
</tbody>
</table>

**Issue Date:** 13-Dec-2016
**Revision Date:** 21-Apr-2017
**Revision Note:** Updated format from 13-Dec-2016

**Disclaimer**
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**