SAFETY DATA SHEET
Scion Insecticide

Product Identifier

Product Name Scion Insecticide

Other means of identification

Product Code(s) FO002177-2-A

Legacy Product Code 15F/1526

Synonyms GAMMA-CYHALOTHRIN:
(S)-cyano(3-phenoxypyphenyl)methyl(1R,3R)-3-[(1Z)-2-chloro-3,3,3-trifluoro-1-propenyl]-2,2-dimethylcyclopropanecarboxylate (CAS name);
(S)-α-cyano-3-phenoxybenzyl(1R,3R)-3-[(Z)-2-chloro-3,3,3-trifluoropropenyl]-2,2-dimethylcyclopropanecarboxylate (IUPAC name)

Active Ingredient(s) Gamma-cyhalothrin

Formula C$_{23}$H$_{19}$ClF$_3$NO$_3$ (Gamma-cyhalothrin)

Chemical Family Pyrethroid Pesticide

Recommended use of the chemical and restrictions on use

Recommended Use: Insecticide

Restrictions on Use: Use as recommended by the label.

Supplier Address

FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104
(215) 299-6000 (General Information)
msdsinfo@fmc.com (E-Mail General Information)

Emergency telephone number

For leak, fire, spill or accident emergencies, call:
1 800 / 424-9300 (CHEMTREC - U.S.A.)
1 703 / 741-5970 (CHEMTREC - International)
1 703 / 527-3887 (CHEMTREC - Alternate)

Medical Emergencies:
1 800 / 331-3148 (U.S.A. & Canada)
1 651 / 632-6793 (All Other Countries - Collect)

Classification

OSHA Regulatory Status
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Acute toxicity - Inhalation (Dusts/Mists)
Category 4

### Serious eye damage/eye irritation
Category 2

### Skin sensitization
Category 1B

#### GHS Label elements, including precautionary statements

**EMERGENCY OVERVIEW**

**Warning**

**Hazard Statements**
- H317 - May cause an allergic skin reaction
- H320 - Causes eye irritation
- H332 - Harmful if inhaled
- H410 - Very toxic to aquatic life with long lasting effects

**Precautionary Statements - Prevention**
- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
- P271 - Use only outdoors or in a well-ventilated area
- P264 - Wash face, hands and any exposed skin thoroughly after handling
- P272 - Contaminated work clothing should not be allowed out of the workplace
- P280 - Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**
- P308 + P313 - If exposed or concerned: Get medical advice/attention
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P337 + P313 - If eye irritation persists: Get medical advice/attention
- P302 + P352 - IF ON SKIN: Wash with plenty of water and soap
- P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
- P363 - Wash contaminated clothing before reuse
- P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
- P312 - Call a POISON CENTER or doctor if you feel unwell

**Precautionary Statements - Storage**
- P405 - Store locked up
- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**
- P501 - Dispose of contents/container according to label directions

**Hazards not otherwise classified (HNOC)**
No hazards not otherwise classified were identified.

**Other Information**
Very toxic to aquatic life with long lasting effects.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Family**
Pyrethroid Pesticide.
Chemical name | CAS-No | Weight %
---|---|---
Gamma-cyhalothrin | 76703-62-3 | 5.9
Naphtha (petroleum), heavy aromatic | 64742-94-5 | 1-5
Ethylenediamine | 107-15-3 | <1
Microcrystalline cellulose | 9004-34-6 | <1

Synonyms are provided in Section 1.

4. FIRST AID MEASURES

Eye Contact
Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

Skin Contact
Remove contaminated clothing and shoes. Do not start with flushing with water, but wipe off with dry cloth or using talcum powder, followed by washing with water and soap. Thereafter apply vitamin E cream or fatty skin care oil or cream. Call a poison control center or doctor for further treatment advice.

Inhalation
Move to fresh air. Remove from exposure, lie down. Call a poison control center or doctor for further treatment advice. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

Ingestion
Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed
Gamma-cyhalothrin can cause feelings of burning, tingling or numbness in exposed areas (paraesthesia).

Indication of immediate medical attention and special treatment needed, if necessary
Induced vomiting as first aid for this substance may result in increased risk of chemical pneumonia or pulmonary edema caused by aspiration of the hydrocarbon solvent. Vomiting should be induced only under professional supervision.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry chemical, Carbon dioxide (CO₂), Water spray, Foam. Avoid heavy hose streams.

Specific Hazards Arising from the Chemical Hazardous Combustion Products
None known

The essential breakdown products are volatile, toxic, irritant and inflammable compounds such as. Hydrogen chloride, Hydrogen fluoride, Hydrogen cyanide, Carbon monoxide, Carbon dioxide (CO₂), Nitrogen oxides (NOx), various chlorinated and fluorinated organic compounds.

Explosion data
Sensitivity to Mechanical Impact
No information available.

Sensitivity to Static Discharge
No information available.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus and full protective gear. Approach fire from upwind to avoid hazardous vapours and toxic decomposition products.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Isolate and post spill area. Remove all sources of ignition. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8.

Other
For further clean-up instructions, call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.
Environmental Precautions
Contain the spill to prevent any further contamination of surface, soil or water. Keep material out of lakes, streams, ponds, and sewer drains. Local authorities should be advised if significant spillages cannot be contained. Keep people and animals away from and upwind of spill/leak.

Methods for Containment
Dike to prevent runoff. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up
Clean and neutralize spill area, tools and equipment by washing with water and soap. Absorb rinsate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13.

7. HANDLING AND STORAGE

Handling
Handle in accordance with good industrial hygiene and safety practice. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal. Handle product only in closed system or provide appropriate exhaust ventilation at machinery. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. Refer to Section 8.

Storage
Keep container tightly closed in a dry and well-ventilated place. Keep out of reach of children and animals. Keep away from food, drink and animal feedingstuffs. Keep/store only in original container. Keep in properly labeled containers. Protect against extremes of heat and cold.

Incompatible products
Oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylenediamine</td>
<td>TWA: 10 ppm</td>
<td>TWA: 25 mg/m³</td>
<td>IDLH: 1000 ppm</td>
<td>TWA: 10 ppm</td>
</tr>
<tr>
<td>(107-15-3)</td>
<td></td>
<td>TWA: 10 ppm</td>
<td>TWA: 25 mg/m³</td>
<td>TWA: 25 mg/m³</td>
</tr>
<tr>
<td>Microcrystalline cellulose</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 15 mg/m³</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td>(9004-34-6)</td>
<td></td>
<td>TWA: 5 mg/m³</td>
<td>TWA: 5 mg/m³</td>
<td>TWA: 5 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>British Columbia</th>
<th>Quebec</th>
<th>Ontario TWAEV</th>
<th>Alberta</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylenediamine</td>
<td>TWA: 10 ppm Skin</td>
<td>TWA: 25 mg/m³</td>
<td>TWA: 10 ppm</td>
<td>TWA: 10 ppm</td>
</tr>
<tr>
<td>(107-15-3)</td>
<td></td>
<td>TWA: 10 ppm Skin</td>
<td></td>
<td>TWA: 10 ppm</td>
</tr>
<tr>
<td>Microcrystalline cellulose</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td>(9004-34-6)</td>
<td></td>
<td>TWA: 3 mg/m³</td>
<td>TWA: 5 mg/m³</td>
<td>TWA: 5 mg/m³</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

<table>
<thead>
<tr>
<th>Engineering measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.</td>
</tr>
</tbody>
</table>

Individual protection measures, such as personal protective equipment

| Eye/Face Protection | For dust, splash, mist or spray exposure, wear chemical protective goggles. |
| Skin and Body Protection | Wear suitable protective clothing. Protective shoes or boots. |
| Hand Protection     | Use protective gloves made of chemical materials such as nitrile or neoprene. Wash the outside of gloves with soap and water before reuse. Check regularly for leaks. |
Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene measures

Clean water should be available for washing in case of eye or skin contamination. Remove and wash contaminated clothing before re-use. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Launder work clothing separately from regular household laundry.

General information

If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Beige Liquid</td>
</tr>
<tr>
<td>Physical State</td>
<td>Suspension</td>
</tr>
<tr>
<td>Color</td>
<td>Beige</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>5.71 @ 23°C (1% solution in water)</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>&lt; 0 °C</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>Not applicable (Decomposes)</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 100 °C / &gt; 200 °F Seta Closed Cup</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable (Product is a liquid)</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No information available</td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.019 g/mL @ 20°C</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>No information available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Dispersible in water</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>&gt; 400 °C</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>High viscosity</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>High viscosity</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Non-oxidizing</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>No information available</td>
</tr>
<tr>
<td>Bulk density</td>
<td>No information available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity

None under normal use conditions

Chemical Stability

Decomposes on heating.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Heating can release hazardous gases

Incompatible materials

Oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide (CO), Hydrogen chloride, Hydrogen fluoride, Nitrogen oxides (NOx), Hydrogen cyanide, various chlorinated and fluorinated organic compounds.
11. TOXICOLOGICAL INFORMATION

Product Information

LD50 Oral : 3257 mg/kg (rat)
LD50 Dermal : > 5000 mg/kg (rat)
LC50 Inhalation : > 2.31 mg/L 4 hr (rat)

Serious eye damage/eye irritation Moderately irritating to eyes.
Skin corrosion/irritation Slightly irritating.
Sensitization May cause sensitization by skin contact

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphtha (petroleum), heavy aromatic</td>
<td>&gt; 5,000 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 5.28 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>(64742-94-5)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethylenediamine (107-15-3)</td>
<td>= 637 mg/kg (Rat)</td>
<td>= 560 mg/kg (Rabbit)</td>
<td>4916 - 9832 mg/m³ (Rat) 8 h</td>
</tr>
<tr>
<td>Microcrystalline cellulose (9004-34-6)</td>
<td>&gt; 5 g/kg (Rat)</td>
<td>&gt; 2 g/kg (Rabbit) &gt; 2000 mg/kg (Rabbit)</td>
<td>&gt; 5800 mg/m³ (Rat) 4 h</td>
</tr>
</tbody>
</table>

Information on toxicological effects

Symptoms Gamma-cyhalothrin can cause feelings of burning, tingling or numbness in exposed areas (paraesthesia).

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

Mutagenicity Gamma-cyhalothrin: Not mutagenic

Carcinogenicity Tests on similar substances have shown that gamma-cyhalothrin is unlikely to be carcinogenic.

Neurological effects Gamma-cyhalothrin can cause feelings of burning, tingling or numbness in exposed areas (paraesthesia).

Reproductive toxicity Gamma-cyhalothrin: No toxicity to reproduction in animal studies.

STOT - single exposure None known.
STOT - repeated exposure Central Nervous System.

Neurological effects Gamma-cyhalothrin can cause feelings of burning, tingling or numbness in exposed areas (paraesthesia).

Aspiration hazard No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylenediamine</td>
<td>72 h EC50: = 645 mg/L (Pseudokirchneriella subcapitata)</td>
<td>96 h LC50: 98.6 - 131.6 mg/L (Pimephales promelas) static 96 h LC50: 191 - 254 mg/L (Pimephales promelas) flow-through 96 h LC50: = 115.7 mg/L (Pimephales promelas) semi-static 96 h LC50:</td>
<td>48 h EC50: = 17 mg/L (Daphnia magna)</td>
</tr>
<tr>
<td>107-15-3</td>
<td>Pseudokirchneriella subcapitata</td>
<td>Pimephales promelas</td>
<td></td>
</tr>
</tbody>
</table>
Persistence and degradability
Gamma-cyhalothrin. Not readily biodegradable.

Bioaccumulation
Gamma-cyhalothrin: The substance has a potential for bioconcentration.

Mobility
Gamma-cyhalothrin: Is not likely mobile in the environment.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods
Improper disposal of excess pesticide, spray mixture, or rinsate is prohibited. If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance. Proper personal protective equipment, as described in Sections 7 and 8, must be worn while handling materials for waste disposal.

Contaminated Packaging
Containers must be disposed of in accordance with local, state and federal regulations. Refer to the product label for container disposal instructions.

14. TRANSPORT INFORMATION

DOT
NOT REGULATED

TDG
UN/ID no UN3082
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.
Hazard class 9
Packing Group III
Marine Pollutant Gamma-cyhalothrin.
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (gamma-cyhalothrin), 9, III, Marine pollutant

ICAO/IATA
UN/ID no UN3082
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.
Hazard class 9
Packing Group III
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (gamma-cyhalothrin), 9, III, Marine pollutant

IMDG/IMO
UN/ID no UN3082
Proper Shipping Name Environmentally hazardous substance, liquid, n.o.s.
Hazard class 9
Packing Group III
Marine Pollutant Gamma-cyhalothrin.
Description UN3082, Environmentally hazardous substance, liquid, n.o.s. (gamma-cyhalothrin), 9, III, Marine pollutant

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any...
chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

- **Acute health hazard**: Yes
- **Chronic health hazard**: Yes
- **Fire hazard**: Yes
- **Sudden release of pressure hazard**: No
- **Reactive Hazard**: No

**Clean Water Act**
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

<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>Aluminum Sulfate</td>
<td>5000 lb</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Ethylendiamine</td>
<td>5000 lb</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td>1000 lb</td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

**CERCLA**
This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Hazardous Substances RQs</th>
<th>Extremely Hazardous Substances RQs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Sulfate</td>
<td>5000 lb</td>
<td></td>
</tr>
<tr>
<td>Methylene bisphenyl isocyanate (MDI)</td>
<td>5000 lb</td>
<td>5000 lb</td>
</tr>
<tr>
<td>Ethylendiamine</td>
<td>5000 lb</td>
<td></td>
</tr>
<tr>
<td>Sodium Hydroxide</td>
<td>1000 lb</td>
<td>454 kg</td>
</tr>
</tbody>
</table>

**FIFRA Information**
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**CAUTION**
Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes, skin, or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. This pesticide is extremely toxic to fish and aquatic organisms and toxic to wildlife.

**US State Regulations**

**California Proposition 65**
This product does not contain any Proposition 65 chemicals.

**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>Ethylendiamine</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>107-15-3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Microcrystalline cellulose</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>
International Inventories

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>TSCA (United States)</th>
<th>DSL (Canada)</th>
<th>EINECS/ELINCS (Europe)</th>
<th>ENCS (Japan)</th>
<th>China (IECSC)</th>
<th>KECL (Korea)</th>
<th>PICCS (Philippines)</th>
<th>AICS (Australia)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gamma-cyhalothrin 76703-62-3</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naphtha (petroleum), heavy aromatic 64742-94-5</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Ethylendiamine 107-15-3</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Microcrystalline cellulose 9004-34-6</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

Mexico - Grade

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Carcinogen Status</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylendiamine</td>
<td></td>
<td>Mexico: TWA 10 ppm</td>
</tr>
<tr>
<td>Microcrystalline cellulose</td>
<td></td>
<td>Mexico: TWA 25 mg/m²</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: STEL 3 mg/m³</td>
</tr>
</tbody>
</table>

Mexico - Pollutant Release and Transfer Register - Reporting Emissions for Fabrication, Process or Use - Threshold Quantities

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Mexico - Pollutant Release and Transfer Register - Reporting Emissions - Threshold Quantities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methylene bisphenyl isocyanate (MDI)</td>
<td>100 kg/yr 5000 kg/yr</td>
</tr>
</tbody>
</table>

CANADA

WHMIS Statement
This product has been classified in accordance with the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

WHMIS Hazard Class
D1B - Toxic materials

16. OTHER INFORMATION

<table>
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<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
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<td>2</td>
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<td>1</td>
<td>0</td>
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</tbody>
</table>

<table>
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<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2*</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>-</td>
</tr>
</tbody>
</table>

*Indicates a chronic health hazard.

NFPA/HMIS Ratings Legend
Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

Revision date: 2018-12-07
Reason for revision: SDS sections updated

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End of Safety Data Sheet