SAFETY DATA SHEET
Brigade® 2EC Insecticide

SDS # : 6196-1-A
Revision date: 2015-04-20
Format: NA
Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name
Brigade® 2EC Insecticide

Other means of identification

Product Code(s)
6196-1-A

Synonyms
BIFENTHRIN: (2-methyl[1,1'-biphenyl]-3-yl)methyl
3-(2-chloro-3,3,3-trifluoro-1-propenyl)-2,2-dimethylcyclopropanecarboxylate (CAS name);
2-methylbiphenyl-3-ylmethyl
(Z)-(1RS)-cis-3-(2-chloro-3,3,3-trifluoroprop-1-enyl)-2,2-dimethylcyclopropanecarboxylate
(IUPAC name)

Active Ingredient(s)
Bifenthrin

Alternate Commercial Name
Capture 240 EC Insecticide

Recommended use of the chemical and restrictions on use

Recommended Use:
Insecticide

Restrictions on Use:
Use as recommended by the label

Manufacturer Address
FMC Corporation
1735 Market Street
Philadelphia, PA 19103
(215) 299-6000 (General Information)
msdsinfo@fmc.com (E-Mail General Information)

Emergency telephone number
Medical Emergencies:
1 800 / 331-3148 (PROSAR - U.S.A. & Canada)
1 651 / 632-6793 (PROSAR - All Other Countries - Collect)
For leak, fire, spill or accident emergencies, call:
1 800 / 424 9300 (CHEMTREC - U.S.A.)
1 703 / 527 3887 (CHEMTREC - Collect - All Other Countries)

2. HAZARDS IDENTIFICATION

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

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Oral</td>
<td>Category 3</td>
</tr>
<tr>
<td>Acute toxicity - Inhalation (Dusts/Mists)</td>
<td>Category 4</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 2</td>
</tr>
</tbody>
</table>
Brigade® 2EC Insecticide

Specific target organ toxicity (single exposure) | Category 1
Specific target organ toxicity (repeated exposure) | Category 1
Aspiration toxicity | Category 1
Flammable liquids | Category 3

GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

Danger

Hazard Statements
H301 - Toxic if swallowed
H304 - May be fatal if swallowed and enters airways
H317 - May cause an allergic skin reaction
H332 - Harmful if inhaled
H351 - Suspected of causing cancer
H370 - Causes damage to organs
H372 - Causes damage to organs through prolonged or repeated exposure

Physical Hazards
H226 - Flammable liquid and vapor

Precautionary Statements - Prevention
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P281 - Use personal protective equipment as required
P264 - Wash face, hands and any exposed skin thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P272 - Contaminated work clothing should not be allowed out of the workplace
P280 - Wear protective gloves
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P233 - Keep container tightly closed
P240 - Ground/bond container and receiving equipment
P242 - Use explosion-proof electrical/ ventilating / lighting equipment
P243 - Take precautionary measures against static discharge

Precautionary Statements - Response
P308 + P311 - IF exposed or concerned: Call a POISON CENTER or doctor
P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention
P366 - Wash contaminated clothing before reuse
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
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
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
P331 - Do NOT induce vomiting
P330 - Rinse mouth
P370 + P378 - In case of fire: Use Foam. Carbon dioxide (CO2). Dry chemical. Water spray or fog for extinction

Precautionary Statements - Storage
P405 - Store locked up
P403 + P235 - Store in a well-ventilated place. Keep cool
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bifenthrin</td>
<td>82657-04-3</td>
<td>25.1</td>
</tr>
<tr>
<td>Naphtha (petroleum), heavy aromatic</td>
<td>64742-94-5</td>
<td>50-60</td>
</tr>
<tr>
<td>Pseudocumene</td>
<td>95-63-6</td>
<td>&lt;20</td>
</tr>
<tr>
<td>Petroleum distillates, solvent dewaxed light paraffinic</td>
<td>64742-56-9</td>
<td>&lt;5</td>
</tr>
<tr>
<td>Petroleum distillates, solvent dewaxed heavy paraffinic</td>
<td>64742-65-0</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Cumene</td>
<td>98-82-8</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

Synonyms are provided in Section 1.

4. FIRST AID MEASURES

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

Skin Contact
Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

Inhalation
Move victim to fresh air. If person is not breathing, contact emergency medical services, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

Ingestion
Immediately call a poison control center or doctor. 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 induce vomiting or give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed
Central nervous system effects. Allergic skin reactions.

Indication of immediate medical attention and special treatment needed, if necessary
This product is a pyrethroid. If large amounts have been ingested, the stomach and intestines should be evacuated. Treatment is symptomatic and supportive. Digestible fats, oils, or alcohol may increase absorption and so should be avoided.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Foam. Carbon dioxide (CO₂). Dry chemical. Water spray or fog.

Specific Hazards Arising from the Chemical
Combustible liquid

Hazardous Combustion Products
Carbon oxides (COx), Hydrogen chloride, Hydrogen fluoride.

Explosion data
Not sensitive.

Sensitivity to Mechanical Impact
Not sensitive.

Sensitivity to Static Discharge
Not sensitive.
Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear. Isolate fire area. Evaluate downwind.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Isolate and post spill area. 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
Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains.

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
Sweep up and shovel into suitable containers for disposal. Clean and neutralize spill area, tools and equipment by washing with bleach 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
Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

Storage
Keep in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children and animals. Keep/store only in original container.

Incompatible products
No information available

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>Pseudocumene 95-63-6</td>
<td>-</td>
<td>-</td>
<td>TWA: 25 ppm TWA: 125 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>Cumene 98-82-8</td>
<td>TWA: 50 ppm</td>
<td>TWA: 50 ppm TWA: 245 mg/m³</td>
<td>IDLH: 900 ppm TWA: 50 ppm TWA: 245 mg/m³</td>
<td>Mexico: S* Mexico: TWA 50 ppm Mexico: TWA 245 mg/m³ Mexico: STEL 75 ppm Mexico: STEL 365 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>Cumene 98-82-8</td>
<td>TWA: 25 ppm STEL: 75 ppm</td>
<td>TWA: 50 ppm TWA: 246 mg/m³</td>
<td>TWA: 50 ppm TWA: 246 mg/m³</td>
<td>TWA: 50 ppm TWA: 246 mg/m³</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering measures
Apply technical measures to comply with the occupational exposure limits. Ensure adequate ventilation, especially in confined areas. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

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 long-sleeved shirt, long pants, socks, and shoes.
Hand Protection  
Protective gloves

Respiratory Protection  
For dust, splash, mist or spray exposures wear full-face elastomeric half mask respirator with appropriate cartridges and/or filters, which is approved for pesticides (U.S. NIOSH/MSHA, EU CEN or comparable certification organization).

Hygiene measures  
Clean water should be available for washing in case of eye or skin contamination. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Remove and wash contaminated clothing before re-use. 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>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Amber, Liquid</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Amber</td>
</tr>
<tr>
<td>Odor</td>
<td>Aromatic hydrocarbon</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash point</td>
<td>44 - 46 °C / 111.2 - 114.8 °F Closed cup</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No information available</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>Density</td>
<td>7.8 - 8.0 lb/gal. (940 - 960 g/L)</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>0.94 - 0.96 @ 20 °C</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Emulsifies</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>No information available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No information available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No information available</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  
Stable under recommended storage conditions.

Possibility of Hazardous Reactions  
None under normal processing.

Hazardous polymerization  
Hazardous polymerization does not occur.

Conditions to avoid  
Heat, flames and sparks

Incompatible materials  
No information available.

11. TOXICOLOGICAL INFORMATION

Product Information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral</td>
<td>262 mg/kg (rat)</td>
</tr>
<tr>
<td>LD50 Dermal</td>
<td>&gt; 2,000 mg/kg (rabbit)</td>
</tr>
<tr>
<td>LC50 Inhalation</td>
<td>1.86 mg/L 4 hr (rat)</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Slight irritation (rabbit).</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Non-irritating during normal use (rabbit).</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>&gt;2000</td>
</tr>
<tr>
<td>Sensitization</td>
<td>This product produces skin sensitization (allergic reaction) in laboratory animals, and may produce similar effects in humans.</td>
</tr>
</tbody>
</table>

Information on toxicological effects

Symptoms: Large doses of bifenthrin ingested by laboratory animals produced signs of toxicity including convulsions, tremors and bloody nasal discharge.

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

Chronic toxicity: Bifenthrin: Long-term exposure caused neurotoxicity (tremors and impaired gait) in the early exposure in animal studies, but tremors disappeared with continued exposure.

Mutagenicity: Bifenthrin: Not genotoxic in animal studies

Carcinogenicity: Bifenthrin: Weak treatment-related response for liver adenocarcinomas and benign bladder tumors (lesion) in male mice.

Neurological effects: Bifenthrin: Causes clinical signs of neurotoxicity (tremors, impaired gait, excessive salivation) following acute or subchronic exposure. Tremors disappeared with continued exposure.

Reproductive toxicity: Bifenthrin: No toxicity to reproduction in animal studies.

Developmental toxicity: Bifenthrin: Not teratogenic in animal studies.

Teratogenicity: Not teratogenic in animal studies.

STOT - single exposure: Causes damage to organs. See listed target organs below.

STOT - repeated exposure: Causes damage to organs through prolonged or repeated exposure. See listed target organs below.

Target organ effects Neurological effects: Bifenthrin: Central Nervous System (CNS).

Aspiration hazard: Bifenthrin: Causes clinical signs of neurotoxicity (tremors, impaired gait, excessive salivation) following acute or subchronic exposure. Tremors disappeared with continued exposure.

No information available.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Petroleum distillates, solvent dewaxed light paraffinic 64742-56-9</td>
<td>A2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0</td>
<td>A2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cumene 98-82-8</td>
<td></td>
<td>Group 2B</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

ACGIH (American Conference of Governmental Industrial Hygienists)
A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)
Group 1 - Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

12. ECOLOGICAL INFORMATION

Ecotoxicity
4.89680002% of the mixture consists of components(s) of unknown hazards to the aquatic environment

<table>
<thead>
<tr>
<th>Active Ingredient(s)</th>
<th>Duration</th>
<th>Species</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bifenthrin</td>
<td>96 h LC50</td>
<td>Fish</td>
<td>0.1</td>
<td>µg/L</td>
</tr>
<tr>
<td></td>
<td>72 h EC50</td>
<td>Algae</td>
<td>0.822</td>
<td>mg/L</td>
</tr>
<tr>
<td></td>
<td>48 h EC50</td>
<td>Crustacea</td>
<td>0.11</td>
<td>µg/L</td>
</tr>
<tr>
<td></td>
<td>21 d NOEC</td>
<td>Fish</td>
<td>0.012</td>
<td>µg/L</td>
</tr>
<tr>
<td></td>
<td>21 d NOEC</td>
<td>Crustacea</td>
<td>0.0013</td>
<td>µg/L</td>
</tr>
</tbody>
</table>

Persistence and degradability

Bioaccumulation
Bifenthrin: The substance has a potential for bioconcentration.

Mobility
Immobile. Not expected to reach groundwater.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods
Pesticide wastes are toxic. 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.

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

UN/ID no  UN3351
Proper Shipping Name Pyrethroid pesticide, liquid, toxic, flammable
Hazard class  6.1
Subsidiary class  3
Packing Group  III
Special Provisions  IB3, T7, TP2, TP28
Description  UN3351, Pyrethroid pesticide, liquid, toxic, flammable, 6.1 (3), PG III
Emergency Response Guide Number  131

TDG

UN/ID no  UN3351
Proper Shipping Name Pyrethroid pesticide, liquid, toxic, flammable
Hazard class  6.1
Subsidiary class  3
Packing Group  III
Marine Pollutant  Bifenthrin
Description  UN3351, Pyrethroid pesticide, liquid, toxic, flammable (Bifenthrin, aromatic hydrocarbons), 6.1 (3), PG III

UN/ID no  UN3351
Hazard class  6.1
Subsidiary class  3
Packing Group  III
Description  UN3351, PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE* SOLUTION (Bifenthrin, 1,2,4 Trimethylbenzenes), 6.1 (3), PG III

ICAO

UN/ID no  UN3351
Hazard class  6.1
Brigade® 2EC Insecticide

Subsidiary Hazard Class 3
Packing Group III
Special Provisions A3, A4
Description UN3351, PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE* SOLUTION, 6.1 (3), PG III

ICAO/IATA
UN/ID no UN3351
Proper Shipping Name Pyrethroid pesticide, liquid, toxic, flammable
Hazard class 6.1
Subsidiary Hazard Class 3
Packing Group III
Special Provisions A3, A4
Description UN3351, Pyrethroid pesticide, liquid, toxic, flammable (Bifenthrin, aromatic hydrocarbons), 6.1 (3), PG III
Limited quantity 2 L

IMDG/IMO
UN/ID no UN3351
Proper Shipping Name Pyrethroid pesticide, liquid, toxic, flammable
Hazard class 6.1
Subsidiary Hazard Class 3
Packing Group III
EmS No. F-E, S-D
Marine Pollutant Bifenthrin
Description UN3351, Pyrethroid pesticide, liquid, toxic, flammable (Bifenthrin, aromatic hydrocarbons), 6.1 (3), PG III (42°C c.c.)

ADR/RID
UN/ID no UN3351
Hazard class 6.1
Packing Group III
Classification code TF2
Description UN3351, PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE* (Bifenthrin, 1,2,4 Trimethylbenzenes), 6.1 (3), PG III
ADR/RID-Labels 3

ADN
Hazard class 6.1
Packing Group III
Classification code TF2
Special Provisions 61, 274
Description UN3351, PYRETHROID PESTICIDE, LIQUID, TOXIC, FLAMMABLE* (Bifenthrin, 1,2,4 Trimethylbenzenes), 6.1 (3), PG III, (D/E)

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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<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></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Brigade® 2EC Insecticide

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Hazardous Substances RQs</th>
<th>Extremely Hazardous Substances RQs</th>
<th>RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cumene - 98-82-8</td>
<td>5000 lb</td>
<td></td>
<td>RQ 5000 lb final RQ</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>RQ 2270 kg final RQ</td>
</tr>
</tbody>
</table>

**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 does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**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>California Prop. 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cumene - 98-82-8</td>
<td>Carcinogen</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:

**Warning**
May be fatal if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. This pesticide is extremely toxic to fish and aquatic invertebrates.

**US State Regulations**

**California Proposition 65**
This product contains the following Proposition 65 chemicals:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>California Prop. 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cumene - 98-82-8</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

**U.S. State Right-to-Know Regulations**
This product does not contain any substances regulated by state right-to-know regulations

**International Inventories**

<table>
<thead>
<tr>
<th>Component</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>Bifenthrin - 82657-04-3 ( 25.1 )</td>
<td></td>
<td></td>
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<tr>
<td>Naphtha (petroleum), heavy aromatic 64742-94-5 ( 50-60 )</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<td>X</td>
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</table>
### Brigade® 2EC Insecticide

**SDS #**: 6196-1-A  
**Revision date**: 2015-04-20  
**Version**: 1

<table>
<thead>
<tr>
<th>Substance</th>
<th>NFPA Health Hazards</th>
<th>NFPA Flammability</th>
<th>NFPA Instability</th>
<th>HMIS Health Hazards</th>
<th>HMIS Flammability</th>
<th>HMIS Physical Hazard</th>
<th>HMIS Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pseudocumene 95-63-6 ( &lt;20 )</td>
<td>X</td>
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<tr>
<td>Petroleum distillates, solvent dewaxed light paraffinic 64742-56-9 ( &lt;5 )</td>
<td>X</td>
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<tr>
<td>Petroleum distillates, solvent dewaxed heavy paraffinic 64742-65-0 ( &lt;1 )</td>
<td>X</td>
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</tr>
<tr>
<td>Cumene 98-82-8 ( &lt;1 )</td>
<td>X</td>
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<td>X</td>
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<td>X</td>
</tr>
</tbody>
</table>

**Mexico - Grade**: Serious risk, Grade 3  
**WHMIS Hazard Class**:  
- B3 - Combustible liquid  
- D1B - Toxic materials  
- D2A - Very toxic materials

### 16. OTHER INFORMATION

**NFPA**  
- Health Hazards: 2  
- Flammability: 2  
- Instability: 0  
- Special Hazards: -

**HMIS**  
- Health Hazards: 2*  
- Flammability: 2  
- Physical hazard: 0  
- Personal Protection: X

*Indicates a chronic health hazard.

**Revision date**: 2015-04-20  
**Revision note**: (M)SDS sections updated

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End of Safety Data Sheet