1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Fame™ SC Fungicide

Other means of identification

Product Code(s) 7689-2-A

Synonyms
FLUOXASTROBIN: (E)-( 2-[6-(2-chlorophenoxy)-5-fluoropyrimidin-4-yloxy]phenyl)
(5,6-dihydro-1,4,2-dioxazin-3-yl)methanone O-methyloxime (IUPAC name);
(1E)-(2-[[6-(2-chlorophenoxy)-5-fluoro-4-pyrimidinyl]oxy]phenyl][5,6-dihydro-1,4,2-dioxazin-
3-yl)methanone O-methyloxime (CAS name)

Active Ingredient(s) Fluoxastrobain

Chemical Family Strobiluron

PCP # 31857

Recommended use of the chemical and restrictions on use

Recommended Use: Fungicide

Restrictions on Use: Use as recommended by the label.

Supplier Address FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104
800 / 321-1FMC (1362) (General Information)
SDS-info@fmc.com (E-Mail General Information)

Emergency telephone number

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

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>hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<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>Specific target organ toxicity (repeated exposure)</td>
<td>Category 1</td>
</tr>
<tr>
<td>Acute aquatic toxicity</td>
<td>Category 1</td>
</tr>
</tbody>
</table>
GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

Danger

Hazard Statements
H332 - Harmful if inhaled
H317 - May cause an allergic skin reaction
H372 - Causes damage to organs through prolonged or repeated exposure
H400 - Very toxic to aquatic life

Precautionary Statements - Prevention
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P264 - Wash hands 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
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response
P302 + P350 - IF ON SKIN: Gently wash with plenty of soap and water
P314 - Get medical advice/attention if you feel unwell
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
P391 - Collect spillage

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
May be harmful in contact with skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family
Strobiluron.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluoxastrobine</td>
<td>361377-29-9</td>
<td>40.3</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>1-5</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 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.
Fame™ SC Fungicide

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 to fresh air. If person is not breathing, call 911 or an ambulance, 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 give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed  Possible systemic effects through repeated exposure. If inhaled, may cause irritation to the nose, throat, and upper respiratory tract. Symptoms may include coughing and sneezing. Skin contact may cause irritation and allergic reactions.

Indication of immediate medical attention and special treatment needed, if necessary  Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media  Water spray, Foam, Dry powder, Carbon dioxide (CO₂), Sand.

Specific Hazards Arising from the Chemical  Not flammable

Hazardous Combustion Products  In the event of fire, the formation of hydrogen chloride, hydrogen cyanide, hydrogen fluoride, carbon monoxide, and nitrogen oxide must be anticipated.

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. Prevent runoff from fire control from entering streams, sewers, or drinking water supply.

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  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  Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. To clean the floor and all objects contaminated by this material, use damp cloth. Place used cleaning materials into closed receptacles.

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.

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

#### Control parameters

<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>Propylene glycol (57-55-6)</td>
<td>-</td>
<td>-</td>
<td>TWA: 10 mg/m³ aerosol only</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA: 50 ppm aerosol and vapor</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA: 155 mg/m³ aerosol and vapor</td>
<td></td>
</tr>
</tbody>
</table>

#### Appropriate engineering controls

**Engineering measures**

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.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection**

If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

**Skin and Body Protection**

Wear long-sleeved shirt, long pants, socks, and shoes.

**Hand Protection**

Rubber/latex/neoprene or other suitable chemical resistant gloves. 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. 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**

- **Appearance**: Off-white Viscous Liquid
- **Physical State**: Liquid Suspension
- **Color**: No information available
- **Odor**: Paint-like
- **Odor threshold**: No information available
- **pH**: 6.8 (10% solution)
- **Melting point/freezing point**: Not applicable
- **Boiling Point/Range**: No information available
- **Flash point**: Not applicable
- **Evaporation Rate**: No information available
- **Flammability (solid, gas)**: No information available
- **Flammability Limit in Air**: No information available
Upper flammability limit: No information available
Lower flammability limit: No information available
Vapor pressure: No information available
Vapor density: No information available
Relative density: No information available
Specific gravity: No information available
Water solubility: Not applicable
Solubility in other solvents: No information available
Partition coefficient: No information available
Autoignition temperature: No information available
Decomposition temperature: No information available
Viscosity, kinematic: No information available
Viscosity, dynamic: 822 cps @ 25°C
Explosive properties: No information available
Oxidizing properties: No information available
Molecular weight: No information available
Bulk density: 1.19 @ 20°C
Kst: No information available

10. STABILITY AND REACTIVITY

Reactivity
Not applicable

Chemical Stability
Stable under normal 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.

Hazardous Decomposition Products
In the event of fire, the formation of hydrogen chloride, hydrogen cyanide, hydrogen fluoride, carbon monoxide, and nitrogen oxide must be anticipated.

11. TOXICOLOGICAL INFORMATION

Product Information

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation (vapor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluoxastrobin</td>
<td>&gt; 2000 mg/kg (rat)</td>
<td>&gt; 2000 mg/kg (rat)</td>
<td>= 4.9 mg/L (rat) 4 h</td>
</tr>
<tr>
<td>(361377-29-9)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>20000 mg/kg (rat)</td>
<td>20800 mg/kg (rabbit)</td>
<td></td>
</tr>
<tr>
<td>(57-55-6)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Information on toxicological effects

Symptoms
No information available.

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

Chronic toxicity
Fluoxastrobin showed reduced body weight and hepatocytomegaly and cytoplasmic changes associated with increased serum liver alkaline phosphatase indicative of cholestasis.
Fame™ SC Fungicide

**SDS # : 7689-2-A**  
**Revision date: 2020-01-10**  
**Version 1.04**

**Mutagenicity**  
Fluoxastrobin, Not genotoxic in animal studies.

**Carcinogenicity**  
Fluoxastrobin: Not carcinogenic

**Neurological effects**  
Fluoxastrobin: No neurotoxicity observed in animal studies.

**Reproductive toxicity**  
Fluoxastrobin: In the reproduction study, there was evidence of decreased body weight in offspring, delayed preputial separation, and incomplete ossification.

**Developmental toxicity**  
Fluoxastrobin: Evidence of transient body weight loss and decreased food consumption.

**STOT - single exposure**  
No information available.

**STOT - repeated exposure**  
No information available.

**Neurological effects**  
Fluoxastrobin: No neurotoxicity observed in animal studies.

**Aspiration hazard**  
No information available.

12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Very toxic to aquatic life. May cause long lasting harmful effects to aquatic life.

<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>Sodium Hydroxide 1310-73-2</td>
<td>96 h LC50: = 45.4 mg/L (Oncorhynchus mykiss) static</td>
<td>96 h LC50: = 0.435 mg/L (Oncorhynchus mykiss)</td>
<td>48 h EC50: = 0.48 mg/L (D. magna)</td>
</tr>
<tr>
<td>Fluoxastrobin 361377-29-9</td>
<td>72-hour EC50 = 0.45 mg/L (Selenastrum capricornutum)(biomass)</td>
<td>96 h LR50 = 0.57 mg/L (Cyprinus carpio)</td>
<td>96 h LC50 = 0.053 mg/L (M. bahia)</td>
</tr>
<tr>
<td>Glycerin 56-81-5</td>
<td>96 h LC50: 51 - 57 mL/L (Oncorhynchus mykiss) static</td>
<td>24 h EC50: &gt; 500 mg/L (Daphnia magna)</td>
<td></td>
</tr>
<tr>
<td>Propylene glycol 57-55-6</td>
<td>96 h EC50: = 19000 mg/L (Pseudokirchneriella subcapitata)</td>
<td>96 h LC50: 41 - 47 mL/L (Oncorhynchus mykiss) static 96 h LC50: = 51400 mg/L</td>
<td>48 h EC50: &gt; 1000 mg/L (Daphnia magna) Static 24 h EC50: &gt; 10000 mg/L (Daphnia magna)</td>
</tr>
<tr>
<td>Methyl ethyl ketone 78-93-3</td>
<td>96 h LC50: 3130 - 3320 mg/L (Pimephales promelas) flow-through</td>
<td>48 h EC50: 4025 - 6440 mg/L (Daphnia magna) Static 48 h EC50: = 5091 mg/L (Daphnia magna) 48 h EC50: &gt; 520 mg/L (Daphnia magna)</td>
<td></td>
</tr>
</tbody>
</table>

**Persistence and degradability**  
Fluoxastrobin: Half-life is 29 to 393 days depending on soil type.

**Bioaccumulation**  
Fluoxastrobin: Material may have some potential to bioaccumulate.

**Mobility**  
Fluoxastrobin: Low mobility in soil.

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 containers and**  
Containers must be disposed of in accordance with local, state and federal regulations.
packages
Refer to the product label for container disposal instructions. Do not re-use empty containers.

14. TRANSPORT INFORMATION

NOTE
This product is only regulated when shipped by water or in bulk packaging.

DO T
NOT REGULATED

DOT
Packaging Type
Bulk

UN/ID no
UN3082

Proper Shipping Name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

Hazard class
9

Packing Group
III

Marine Pollutant
Fluoxastrobin.

Description
UN3082, Environmentally hazardous substances, liquid, n.o.s. (Fluoxastrobin), 9, III, Marine Pollutant

TDG
Not regulated

UN/ID no
UN3082

Proper Shipping Name
Environmentally hazardous substance, liquid, n.o.s.(Fluoxastrobin)

Hazard class
9

Packing Group
III

Description
UN3082, Environmentally hazardous substances, liquid, n.o.s. (Fluoxastrobin), 9, III, Marine Pollutant

UN/ID no
UN3082

Proper Shipping Name
Environmentally hazardous substance, liquid, n.o.s.(Fluoxastrobin)

Hazard class
9

Packing Group
III

Marine Pollutant
Yes

Description
UN3082, Environmentally hazardous substances, liquid, n.o.s. (Fluoxastrobin), 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

No

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>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):
**FAME™ SC Fungicide**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Hazardous Substances RQs</th>
<th>Extremely Hazardous Substances RQs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>1000 lb</td>
<td></td>
</tr>
<tr>
<td>1310-73-2</td>
<td>454 kg</td>
<td></td>
</tr>
<tr>
<td>Methyl ethyl ketone</td>
<td>5000 lb</td>
<td></td>
</tr>
<tr>
<td>78-93-3</td>
<td>2270 kg</td>
<td></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:

**PRECAUCIÓN:**
El contacto prolongado o repetido con la piel puede causar reacciones alérgicas en algunas personas. Este pesticida es tóxico para peces e invertebrados acuáticos.

**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>Propylene glycol</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>57-55-6</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**International Inventories**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>TSCA (United States)</th>
<th>DSL (Canada)</th>
<th>EINECS/ELINC S (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>Propylene glycol</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>57-55-6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CANADA**

This Safety Data Sheet is for a pesticide product registered by the Pest Management Regulatory Agency (PMRA), and is therefore also subject to certain requirements under Canadian pesticide laws, including the Pest Control Products Act (PCPA). These requirements differ from the classification criteria and hazard information required by the Hazardous Product Regulations (HPR) and WHMIS 2015 for safety data sheets, and for workplace labels of non-pesticide chemicals. The following information is determined by PMRA.

The approved pest control product label (the label), under the Pest Control Products Act, needs to be followed at all times and in cases where there are any discrepancies between the approved label and an SDS for that product it is the label information that prevails.

### 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>HMIS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Hazards</td>
<td>Flammability</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NFPA/HMIS Ratings Legend</th>
</tr>
</thead>
<tbody>
<tr>
<td>Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0</td>
</tr>
</tbody>
</table>

**Revision date:** 2020-01-10

**Reason for revision:** SDS sections updated
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.

Prepared By:

FMC Corporation

FMC Logo - Trademark of FMC Corporation

© 2020 FMC Corporation. All Rights Reserved.

End of Safety Data Sheet