1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Drax SF ANT GEL

Formula code: 6601  
(PCP 20478)

Active Ingredient(s): Orthoboric Acid (Boric Acid)

Manufacturer: FMC Corporation  
Agricultural Products Group  
1735 Market Street  
Philadelphia, PA 19103

General Information:  
Phone: (215) 299-6000  
E-Mail: msdsinfo@fmc.com

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

Appearance: gel amber Clear

Physical state: gel

Odor: Apple

Potential health effects: Eye contact, Skin contact, Ingestion.

Principle Routes of Exposure:

Acute effects:  
Eyes: May cause slight irritation.  
Skin: Substance may cause slight skin irritation.  
Ingestion: Ingestion may cause gastrointestinal discomfort including nausea, vomiting and diarrhea if large amounts are ingested. May cause central nervous system depression.

Chronic effects: Contains a known or suspected reproductive toxin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients:
**Chemical Name** | **CAS-No** | **Weight %**
--- | --- | ---
Boric acid | 10043-35-3 | 5
Sucrose | 57-50-1 | 1-5

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

**Inhalation**
Move to fresh air. If person is not breathing, call 911 (within the U.S. and Canada) or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**Ingestion**
Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not induce vomiting or give anything by mouth to an unconscious person.

### 5. FIRE-FIGHTING MEASURES

**Sensitivity to Mechanical Impact**
Not applicable

**Sensitivity to Static Discharge**
Not applicable

**Suitable extinguishing media**
Carbon dioxide (CO\textsubscript{2}). Foam. Dry chemical. If necessary. Use water spray or fog; do not use straight streams.

**Protective equipment and precautions for firefighters**
Wear self-contained breathing apparatus and protective suit. Isolate fire area. Evaluate downwind.

**NFPA**
- **Health Hazard**: 1
- **Flammability**: 1
- **Stability**: 0
- **Special Hazards**: -

### 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.

**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 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. Dispose of waste as indicated in Section 13.

**Other**
For further clean-up instructions call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.
**Drax SF ANT GEL**

**MSDS #:** 6601-A  
**Revision Date:** 2014-01-06  
**Version** 1.01

### 7. HANDLING AND STORAGE

**Handling**
Do not contaminate other pesticides, fertilizers, water, food or feed by storage or disposal. Reference to other sections.

**Storage**
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Store in original container only.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

#### Exposure guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
<th>Mexico</th>
</tr>
</thead>
</table>
| Boric acid    | STEL: 6 mg/m³  
10043-35-3    | TWA: 2 mg/m³  |       |       |
| Sucrose       | TWA: 10 mg/m³  
57-50-1        | TWA: 15 mg/m³  
               | TWA: 5 mg/m³  |

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>British Columbia</th>
<th>Quebec</th>
<th>Ontario TWAEV</th>
<th>Alberta</th>
</tr>
</thead>
</table>
| Boric acid    | TWA: 2 mg/m³  
10043-35-3    | STEL: 6 mg/m³  | TWA: 2 mg/m³  
               | STEL: 6 mg/m³ |
| Sucrose       | TWA: 10 mg/m³  
57-50-1        | TWA: 10 mg/m³  |
|               | TWA: 10 mg/m³  
               | TWA: 10 mg/m³  |

#### Occupational exposure 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.

**Personal Protective Equipment**

**General Information**
Clean water should be available for washing in case of eye or skin contamination. Wash hands prior to eating, drinking chewing gum or using tobacco. Shower or bathe at the end of working.

**Respiratory protection**
For dust, splash, mist or spray exposures wear a filtering mask.

**Eye/face protection**
For dust, splash, mist or spray exposure, wear chemical protective goggles or a face-shield.

**Skin and body protection**
Wear long-sleeved shirt, long pants, socks, shoes, and gloves.

**Hand protection**
Protective gloves

**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.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

- **Appearance:** gel amber Clear
- **Color:** amber
- **Physical state:** gel
- **Odor:** Apple
- **pH:** No information available.
- **Melting Point/Range:** No information available.
- **Freezing point:** No information available
- **Boiling Point/Range:** 100 °C / 212 °F
- **Flash Point:** Not applicable
- **Evaporation rate:** Not applicable
- **Vapor pressure:** No information available
10. STABILITY AND REACTIVITY

Stability
Stable.

Conditions to avoid
Heat, flames and sparks

Materials to avoid
Acetic anhydride, Elemental potassium

Hazardous decomposition products
None known.

Hazardous polymerization
Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute effects

Acute Toxicity
Large amounts of boric acid absorbed into the blood stream from ingestion or skin absorption through damaged skin may cause effects to the central nervous system including dizziness, depression, vomiting, nausea or diarrhea.

Eye contact
May cause slight irritation.

Skin contact
May cause slight irritation.

Ingestion
Ingestion may cause gastrointestinal discomfort including nausea, vomiting and diarrhea if large amounts are ingested.

Inhalation
Not an expected route of exposure.

LD50 Oral
> 2000  (rabbit) Boric acid
3160  (Rat) Boric acid

Chronic effects

Chronic Toxicity
Contains a known or suspected reproductive toxin.

Carcinogenicity
Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).

Reproductive toxicity
Animal studies have shown that ingestion of large amounts of Borates over prolonged periods of time cause a decrease in sperm production and testicle size in males.

Developmental Toxicity
Animal studies have shown that ingestion of large amounts of Borates produced developmental effects in fetuses of pregnant animals.

Target Organ Effects
Central nervous system (CNS), Gastrointestinal tract (GI), Reproductive System.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
<th>NIOSH - Target Organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boric acid</td>
<td></td>
<td>Group 2A</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

Ecotoxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to microorganisms</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
</table>
Environmental Fate

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boric acid</td>
<td>-0.757</td>
</tr>
</tbody>
</table>

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.

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

not regulated

ICAO/IATA

not regulated

IMDG/IMO

not regulated

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

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

International Regulations

Mexico - Grade

No information available

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

D2A Very toxic materials
16. OTHER INFORMATION

Revision Date: 2014-01-06
Reason for revision: (M)SDS sections updated.

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Prepared By

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End of Material Safety Data Sheet