SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>FLINT FUNGICIDE</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSDS Number</td>
<td>102000011560</td>
</tr>
<tr>
<td>EPA Registration No.</td>
<td>264-777</td>
</tr>
</tbody>
</table>

Bayer CropScience
2 T.W. Alexander Drive
Research Triangle PK, NC 27709
USA

For MEDICAL, TRANSPORTATION or other EMERGENCY call 1-800-334-7577 (24 hours/day)
For Product Information call 1-866-99BAYER (1-866-992-2937)

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Component Name</th>
<th>CAS-No.</th>
<th>Average % by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trifloxystrobin</td>
<td>141517-21-7</td>
<td>50.00</td>
</tr>
<tr>
<td>Sodium sulphate</td>
<td>7757-82-6</td>
<td>5.00</td>
</tr>
<tr>
<td>Diatomaceous earth</td>
<td>61790-53-2</td>
<td>9.50</td>
</tr>
</tbody>
</table>

SECTION 3. HAZARDS IDENTIFICATION

NOTE: Please refer to Section 11 for detailed toxicological information.

Emergency Overview
Caution! Moderate eye irritation Harmful if absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling.

Physical State: granular

Odor: slight or weak

Appearance: brown

Routes of Exposure: Eye contact, Skin contact, Inhalation, Skin Absorption

Immediate Effects
Eye: Mild eye irritation

Skin: slight irritation Mildly toxic Non-sensitizing
Medical Conditions Aggravated by Exposure: Individuals with allergic history or pre-existing dermatitis should use extra care in handling this product.

SECTION 4. FIRST AID MEASURES

General: Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Eye: Hold eye 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 eye. Call a poison control center or doctor for treatment advice.

Skin: Take off all contaminated clothing immediately. Rinse immediately with plenty of water for at least 15 minutes. Call a poison control center or doctor for 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 directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person. Do not leave victim unattended.

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.

Notes to Physician Treatment: There is no specific antidote. Appropriate supportive and symptomatic treatment as indicated by the patient's condition is recommended.

SECTION 5. FIRE FIGHTING MEASURES

Flash Point: not applicable

Autoignition Temperature: 320 °C / 608 °F

Suitable Extinguishing Media: dry chemical, foam, carbon dioxide (CO2)

Fire Fighting Instructions: Evacuate personnel to safe areas. Prevent use of contaminated buildings, area, and equipment until decontaminated.

Wear self-contained breathing apparatus and protective suit.

SECTION 6. ACCIDENTAL RELEASE MEASURES
Methods for Cleaning Up

Avoid contact with spilled product or contaminated surfaces. Keep unauthorized people away.

Additional Advice

Sweep up, keeping dust to a minimum, and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a chemical container. Seal the container and handle in an approved manner. Do not allow wash water to contaminate water supplies.

SECTION 7. HANDLING AND STORAGE

Handling Procedures
Keep away from open flames, hot surfaces and sources of ignition. Handle and open container in a manner as to prevent spillage.

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

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Work/Hygienic Procedures

Recommendations for exposure control/personal protection are intended for the manufacture, formulation and packaging of the product. For end-use applications consult the product label.

Wash hands always before eating, drinking, smoking or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General Protection
Keep and wash PPE separately from other laundry. Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water.

Engineering Controls
Use with local exhaust ventilation.

Eye/Face Protection
Safety glasses with side-shields

Hand Protection
Waterproof gloves

Body Protection
Wear long-sleeved shirt and long pants and shoes plus socks. Coveralls

Respiratory Protection
A dust/mist filtering respirator (NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N, R, P or HE filter.

Exposure Limits
Material Safety Data Sheet
FLINT FUNGICIDE

Diatomaceous earth 61790-53-2

ACGIH TWA

Form of Exposure Inhalable fraction.
Remarks The value is for particulate matter containing no asbestos and <1% crystalline silica.

ACGIH TWA

Form of Exposure Respirable fraction.
Remarks The value is for particulate matter containing no asbestos and <1% crystalline silica.

OSHA Z1A TWA

Form of Exposure Respirable dust.
Remarks 6 mg/m3

US CA OEL TWA PEL

Form of Exposure Total dust.
Remarks 6 mg/m3

OSHA Z1 TWA PEL

Form of Exposure Total dust.
Remarks 15 mg/m3

OSHA Z1 PEL

Form of Exposure Respirable fraction.
Remarks 5 mg/m3

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>brown</td>
</tr>
<tr>
<td>Physical State</td>
<td>granular</td>
</tr>
<tr>
<td>Odor</td>
<td>slight or weak</td>
</tr>
<tr>
<td>pH</td>
<td>9 - 11 dispersion in water</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>0.6 kg/m3</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>not applicable</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>0.00061 g/l</td>
</tr>
</tbody>
</table>

SECTION 10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Stability</td>
<td>Stable</td>
</tr>
<tr>
<td>Hazardous Reactions</td>
<td>Will not occur.</td>
</tr>
</tbody>
</table>
SECTION 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity  
male/female rat: LD50: > 5,050 mg/kg

Acute Dermal Toxicity  
male/female rat: LD50: > 2,000 mg/kg

Acute Inhalation Toxicity  
male/female rat: LD50: > 2.74 mg/l  
Exposure time: 4 h  
Determined in the form of dust. (actual)  

male/female rat: LC50: > 10.96 mg/l  
Exposure time: 1 h  
Extrapolated from the 4 hr LC50. Determined in the form of dust. (actual)

Skin Irritation  
rabbit: slight irritation

Eye Irritation  
rabbit: Mild irritation to the cornea and conjunctiva was observed with all irritation clearing within 7 days post-treatment.

Sensitization  
guinea pig: Non-sensitizing

Subchronic Toxicity  
In a 28-day dermal toxicity study in rats, trifloxystrobin was tolerated without local effects at doses up to and including the limit dose of 1000 mg/kg/day. Systemic effects were observed in males at the limit dose and included increased organ weights (liver and kidney).

Chronic Toxicity  
In chronic toxicity studies in mice and dogs, the major primary target organ appears to be the liver following dietary administration of trifloxystrobin. Liver effects were not seen in a chronic toxicity rat study with trifloxystrobin.

Assessment Carcinogenicity  
Trifloxystrobin did not cause any treatment-related increase in general tumor incidence, any elevated incidence of rare tumors, or shortened time to the development of palpable or rapidly lethal tumors in an 18-month mouse and a 24-month rat study.

ACGIH  
None.

NTP  
None.

IARC  
None.

OSHA  
None.

Reproductive & Developmental Toxicity  
REPRODUCTION: In a two generation reproduction study using rats, trifloxystrobin was not a primary reproductive toxicant.
DEVELOPMENTAL TOXICITY: In developmental toxicity studies using rats and rabbits, trifloxystrobin was not a primary developmental toxicant.

Mutagenicity
Trifloxystrobin has been tested for its potential to induce gene mutation and chromosomal changes in 5 different test systems. Taken collectively, these studies demonstrate trifloxystrobin is not genotoxic or mutagenic.

SECTION 12. ECOLOGICAL INFORMATION

Environmental Precautions
This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. Drift and runoff from treated areas may be hazardous to fish/aquatic organisms in adjacent sites.

Ecological Information
Ground Water Advisory: This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

SECTION 13. DISPOSAL CONSIDERATIONS

General Disposal Guidance
Do not re-use empty containers. Waste, including spills or rinsates, and leftover pesticide that cannot be used according to label instructions must be disposed of according to applicable federal, state or local procedures. Contact manufacturer.

Container Disposal
Triple rinse containers. Add washings to sprayer at time of filling. Puncture container to avoid re-use.

SECTION 14. TRANSPORT INFORMATION

TRANSPORTATION CLASSIFICATION:
Not regulated for transportation

FREIGHT CLASSIFICATION:
Insecticides or Fungicides,N.O.I.; other than poison

SECTION 15. REGULATORY INFORMATION

EPA Registration No.
264-777
US Federal Regulations

TSCA list
Sodium sulphate  7757-82-6
Diatomaceous earth  61790-53-2

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpt D)
None.

SARA Title III - Section 302 - Notification and Information
None.

SARA Title III - Section 313 - Toxic Chemical Release Reporting
None.

US States Regulatory Reporting
CA Prop65
This product does not contain any substances known to the State of California to cause cancer.

This product does not contain any substances known to the State of California to cause reproductive harm.

US State Right-To-Know Ingredients
Sodium sulphate  7757-82-6  PA
Diatomaceous earth  61790-53-2  IL, MN, RI

Canadian Regulations
Canadian Domestic Substance List
Sodium sulphate  7757-82-6

Environmental
CERCLA
None.

Clean Water Section 307 Priority Pollutants
None.

Safe Drinking Water Act Maximum Contaminant Levels
None.

International Regulations
European Inventory of Existing Commercial Substances (EINECS)
Sodium sulphate  7757-82-6

SECTION 16. OTHER INFORMATION

NFPA 704 (National Fire Protection Association):
Health - 1  Flammability - 1  Reactivity - 0  Others - none
0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Reason to Revise: New Material Safety Data Sheet.

Revision Date: 07/12/2005

This information is provided in good faith but without express or implied warranty. The customer assumes all
responsibility for safety and use not in accordance with label instructions. The product names are registered trademarks of Bayer.