1. PRODUCT AND COMPANY IDENTIFICATION

Product Code 2121102
Product Name PROFINE 75 HERBICIDE
Synonyms 1H-Pyrazole-4-Carboxylic Acid, 3-Chloro-5-[[[4,6-Dimethoxy-2-Pyrimidinyl]Amino]Carbonyl][Amino]Sulfonyl]-1-Methyl-, Methyl Ester (9CI)
Formula C13H15ClN6O7S (Halosulfuron Methyl)
CAS Number 100784-20-1 (Halosulfuron Methyl)
EPA Registration Number 2749-528

ChemTrec Emergency Telephone 1-800-424-9300
1-703-527-3887

2. HAZARDS IDENTIFICATION

Emergency Overview
Harmful if swallowed. May be harmful if inhaled. May be harmful in contact with skin. Irritating to eyes. May cause irritation of the mucous membranes. May cause irritation of respiratory tract. May cause skin irritation.

Appearance Light tan, Powder.
Physical State Solid.
Odor Mild, Soapy

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

Mexico - Grade Not available

Potential Health Effects
Principle Routes of Exposure

Skin contact, Inhalation.

Acute Effects

Eyes
Slight irritation. Avoid contact with eyes.

Skin
May be harmful by skin contact. Substance may cause slight skin irritation. Avoid contact with skin.

Inhalation
May be harmful if inhaled. May cause irritation of the mucous membranes. May cause irritation of respiratory tract.

Ingestion
Harmful if swallowed.

Additional Acute Effects
None reasonably foreseeable.

Chronic Effects
Avoid repeated exposure.

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions
Not available

Interactions with Other Chemicals
Not available

Potential Environmental Effects
Refer to approved EPA Label.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number
100784-20-1 (Halosulfuron Methyl)

Formula
C13H15ClN6O7S (Halosulfuron Methyl)

Hazardous Components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
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Non-hazardous Components

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<th>Chemical Name</th>
<th>CAS-No</th>
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<tbody>
<tr>
<td>Other Ingredients</td>
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</table>

4. FIRST AID MEASURES

General Advice
Show this safety data sheet to the doctor in attendance.

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician or Poison Control Centre immediately.
Skin Contact
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. Call a physician or Poison Control Centre immediately.

Inhalation
Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician or Poison Control Centre immediately.

Ingestion
Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Centre immediately.

Notes to Physician
Treat symptomatically

Protection of First-aiders
Use personal protective equipment. Avoid contact with skin, eyes and clothing.

5. FIRE-FIGHTING MEASURES

Flammable Properties
Not available

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

Unsuitable Extinguishing Media
Not available

Hazardous Combustion Products
Thermal decomposition or combustion may produce hazardous gases and/or materials.

Explosion Data

| Sensitivity to mechanical impact | Not available |
| Sensitivity to static discharge   | Not available |

Specific Hazards Arising from the Chemical
Keep product and empty container away from heat and sources of ignition

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA
Health 1  Flammability 0  Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental Precautions
Local authorities should be advised if significant spillages cannot be contained. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

Methods for Containment
Not available
Methods for Cleaning up
Evacuate personnel to safe areas. Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

Other Information
Not applicable

7. HANDLING AND STORAGE

Handling
Use only in an area equipped with a safety shower. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation. Do not breathe vapours/dust. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Avoid repeated exposure.

Storage
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers. Protect from moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Controls
Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection
Tightly fitting safety goggles.

Skin Protection
Protective gloves. Long sleeved clothing. Shoes plus socks.

Respiratory Protection
In case of insufficient ventilation wear suitable respiratory equipment.

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and immediately after handling the product. For additional information consult the EPA Pesticide Label.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Light tan, Powder

Physical State
Solid

Odor
Mild, Soapy

pH
4.8(1%aq. sol) (@22°C)

Flash Point
Not available

Autoignition Temperature
Not available

Boiling Point/Range
Not available

Melting Point/Range
168 - 171°C
10. STABILITY AND REACTIVITY

Chemical Stability
Stable under normal conditions.

Conditions to Avoid
Heat, flames and sparks. Avoid moisture.

Incompatible Materials
Reducing agents. Acids.

Hazardous Decomposition Products
Carbon monoxide, Carbon dioxide (CO2), Nitrogen oxides (NOx), Sulfur Oxides, Hydrogen chloride gas.

Possibility of Hazardous Reactions
None under normal processing

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
- LD50 Oral: 1,287 mg/kg (rat)
- LD50 Dermal: > 5,000 mg/kg (rat)
- LC50 Inhalation: >5.7 mg/L 4H (rat)

Chronic Toxicity
Carcinogenicity
There are no known carcinogenic chemicals in this product

Irritation
Skin, rabbit: Slightly ; Eye, rabbit: Moderately

Corrosivity
Not available

Sensitization
Not available

Neurological Effects
Not available

Mutagenic Effects
Not available

Reproductive Effects
Not available

Developmental Effects
Not available

Target Organ Effects
Not available
12. ECOLOGICAL INFORMATION

Ecotoxicity
Refer to approved EPA Label.

Persistence / Degradability Not available
Bioaccumulation / Accumulation Not available
Mobility in Soil Not available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance to EPA Pesticide Label Instructions.
Contaminated Packaging Dispose of in accordance to EPA Pesticide Label Instructions.
US EPA Waste Number Not available

14. TRANSPORT INFORMATION

DOT Not regulated
TDG Not regulated
MEX Not regulated
ICAO Not regulated
IATA Not regulated
IMDG/IMO Not regulated
RID Not regulated
ADR Not regulated
ADN Not regulated

15. REGULATORY INFORMATION

International Inventories
U.S.A. (TSCA) Does not Comply
2121102 - PROFINE 75 HERBICIDE

Canada (DSL) Does not Comply
EU (ELINCS) Does not Comply
EU (EINECS) Does not Comply
Japan (ENCS) Does not Comply
China Does not Comply
Korea (KECL) Does not Comply
Philippines (PICCS) Does not Comply
Australia (AICS) Does not Comply

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This material as a whole is exempt from the TSCA Inventory // FIFRA Regulated Pesticide

USA

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 Hazardous Categorization

- Acute Health Hazard: Yes
- Chronic Health Hazard: No
- Fire Hazard: No
- Sudden Release of Pressure Hazard: No
- Reactive Hazard: No

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain any HAPs.

State Regulations

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

State Right-to-Know

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
Not determined
16. OTHER INFORMATION

Prepared By: Environmental Health and Safety, Regulatory Affairs
Preparation Date: 05-Jan-2009
Revision Date: 24-Jun-2011
Revision Summary: Not available

Disclaimer:
The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of MSDS