



IVORYCHEM PTE LIMITED
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Email: contact@ivorychem.com
Web: www.ivorychem.com
Co. Registration No. 200405572W
GST Registration No. 200405572W

MATERIAL SAFETY DATA SHEET

ACTIFRON HERBICIDE

Version: Global
Date Approved:
Revision No: 1

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ACTIFRON HERBICIDE
ACTIVE INGREDIENT: Halosulfuron methyl
CHEMICAL CLASS: Sulfonylurea
CHEMICAL NAME OF ACTIVE INGREDIENT(S): Methyl 6[[[(4,6-dimethoxy-2-pyrimidinyl)-amino]carbonylaminosulfonyl]-4-chloro-1-methyl-1H-pyrazole-4-carboxylate
MOLECULAR FORMULA:
SYNONYMS:

MANUFACTURER

IVORYCHEM PTE LTD
15 Beach Road, #02-09
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Emergency Telephone Numbers:

Emergency Phone contact@ivorychem.com (Please refer local label for Emergency Numbers in your region).

COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	Wt.%	PEL/TLV	EC No.	EC Class
Halosulfuron methyl	100784-20-1	20	None	None	None
Other ingredients	-	80	None	None	None

HAZARDS IDENTIFICATION

PHYSICAL PROPERTIES

APPEARANCE: Beige granules

ODOR: Scorched vanilla odor

SYMPTOMS OF ACUTE EXPOSURE: Not available

MEDICAL CONDITIONS LIKELY TO BE AGGRAVATED BY EXPOSURE: Sedgehammer herbicide contains less than 1.0% sodium sulfite. In sulfite-sensitive individuals, skin reactions have been reported following dermal exposures, and respiratory reactions have been reported on ingestion of food, or on ingestion or inhalation of medications which contain related sulfiting



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agents (bisulfites or metabisulfites) as preservatives. Individuals with asthma may be more prone to these types of reactions.

PRIMARY ROUTES OF EXPOSURE: Inhalation and skin contact

HAZARDOUS DECOMPOSITION PRODUCTS: None known

UNUSUAL FIRE, EXPLOSION, AND REACTIVITY HAZARDS: None known

FIRST AID MEASURES

Have the product container, label or Material Safety Data Sheet with you when calling a poison control center or doctor, or going for treatment.

INGESTION: Call poison control center or physician immediately for treatment advice. Remove visible particles from mouth. Have person rinse mouth thoroughly with water, spit out rinse water. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

EYE CONTACT: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

SKIN CONTACT: If on skin or clothing: 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: If inhaled: Move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

FIRE FIGHTING MEASURES

FLASH POINT: This material is not combustible as tested by the Tag Closed Cup Test.

AUTO IGNITION TEMPERATURE: Not determined.

APPROPRIATE EXTINGUISHING MEDIA: In case of fire, use water (flood with water), dry chemical, CO₂, or alcohol foam

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters and others that may be exposed to vapors, mists, dusts, or products of combustion should wear full protective clothing and self-contained breathing apparatus. Equipment should be thoroughly cleaned after use.

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

ACCIDENTAL RELEASE MEASURES

In Case of Spills or Leaks

Keep unnecessary people away and isolate hazard area. Wear appropriate personal protective equipment described in Section 8. Sweep up spill, scoop or vacuum and remove. Flush residual spill area with water. Contain large spills with dikes and transfer the material to appropriate containers for reclamation or disposal. Absorb remaining material or small spills with an inert material and then place in a chemical waste container. Flush residual spill area with water. Refer to Section 13 for disposal information and Section 15 for reportable quantity information.

HANDLING AND STORAGE

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

PESTICIDE STORAGE: Store under cool, dry conditions (below 120°F). Do not store under moist



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conditions.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state, or local procedures, or in such other method as approved under those procedures. Emptied container retains vapor and product residue. Observe all labeled safeguards until container is destroyed.

PLASTIC CONTAINER: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

PAPER OR PLASTIC BAG: completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

INSTRUCTIONS FOR WATER DISPERSIBLE GRANULE IN 1.3 OUNCE BOTTLE: Do not reuse container. Triple rinse container, then puncture and dispose of in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke.

INSTRUCTIONS FOR WATER DISPERSIBLE GRANULE PREMEASURED IN WATER

SOLUBLE BAG: Completely use water soluble bags in application equipment. Then dispose of empty foil pouch and cardboard box in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke.

DISPOSAL AUTHORITIES: If none of the foregoing procedures is permitted by state and local authorities, then contact your State Pesticide or Environmental control Agency, or your local Hazardous Waste Disposal office, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective Equipment:

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

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

ENGINEERING CONTROLS STATEMENTS: When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Beige granules

ODOR: Scorched vanilla

pH: 6.6 (1% solution)

MELTING POINT: 176°C

SOLUBILITY (20°C): 15mg/L in water

DENSITY: 41 lbs/cu ft

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

Company Registration No: 200405572W

Incorporated in the Republic of Singapore Under the Companies Act (Cap 50)

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STABILITY AND REACTIVITY

STABILITY: This product should be stable for at least two years under normal conditions of warehouse storage. Store in a cool, well-ventilated place away from foodstuffs, reducing agents and acids.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS: None.

CONDITIONS TO AVOID: Store under cool, dry conditions (below 120°F). Do not store under moist conditions.

TOXICOLOGICAL INFORMATION**ACUTE TOXICITY/IRRITATION STUDIES (FINISHED PRODUCT)**

Ingestion:	Slightly toxic Oral (LD50 Rat) :	1287 mg/kg
Dermal:	Practically nontoxic Dermal (LD50 Rabbit) :	>5,000 mg/kg
Inhalation:	Practically nontoxic Inhalation (LC50 Rat) :	>5.7 mg/l
Eye Contact: Skin Contact: Skin Sensitization:	Moderately irritating Slightly irritating Not a Sensitizer (Guinea Pig)	

ECOLOGICAL INFORMATION

Ecotoxicity data shown is for the active ingredient, halosulfuron-methyl.

48-hr EC50 Daphnia magna: >107 mg/L; practically nontoxic.

96-hr LC50 Bluegill sunfish: >118 mg/L; practically nontoxic.

96-hr LC50 Rainbow trout: >131 mg/L; practically nontoxic.

5-day EC50 Algae (Selenastrum capricornutum): 0.0041/L; very highly toxic

DISPOSAL CONSIDERATIONS

Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state, or local procedures.

Dispose of empty container in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning.

If burned, stay out of smoke. This product should not be dumped, spilled, rinsed or washed into sewers or public waterways.



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TRANSPORT INFORMATION

DOT CLASSIFICATION

None

INTERNATIONAL MARITIME ORGANIZATION

None

INTERNATIONAL CIVIL AVIATION ORGANIZATION

None

REGULATORY INFORMATION

SARA Title III Classification

Section 302/304: Not applicable

Section 311/312: Immediate (acute) health hazard

Delayed (chronic) health hazard

Section 313 chemical(s): Not applicable

Proposition 65

Not Applicable

CERCLA Reportable Quantity (RQ)

None

RCRA Classification

If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA Status

Exempt from TSCA

OTHER INFORMATION

Section(s) Revised : New Format