



IVORYCHEM PTE LIMITED
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Tel: +65 – 6337 7765
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Email: contact@ivorychem.com
Web: www.ivorychem.com
Co. Registration No. 200405572W
GST Registration No. 200405572W

MATERIAL SAFETY DATA SHEET

AMPLE 75 DF HERBICIDE

Version: Global
Date Approved:
Revision No: 1

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AMPLE 75 DF HERBICIDE
ACTIVE INGREDIENT: Tribenuron Methyl
CHEMICAL FAMILY: NA
MOLECULAR FORMULA: NA

MANUFACTURER

IVORYCHEM PTE LTD
15 BEACH ROAD
BEACH CENTRE
#02-09
Singapore 189677
Tel: +65 6337 7765
Fax: +65 6337 7730

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
Tribenuron Methyl	101200-48-0	75%	None	None	None
Other Ingredient		25%	None	None	None

HAZARDS IDENTIFICATION

Emergency Overview

CAUTION! Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear long-sleeved shirt and long pants, socks and shoes.

Potential Health Effects

Based on animal data, repeated skin contact with Tribenuron Methyl may cause allergic skin rashes. Based on animal data, eye contact with Tribenuron Methyl may cause eye irritation with discomfort, tearing or blurring of vision.

Carcinogenicity Information

None of the components present in this material at concentration equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.



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FIRST AID MEASURES

Inhalation: No specific intervention is indicated as the product is not likely to be hazardous by inhalation. Consult a physician if necessary.

Skin contact: Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. Immediate medical attention is required.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Rinse mouth and give a glass of water.

FIRE FIGHTING MEASURES

Flammable properties

Flammable limits in Air, % by Volume

LEL: 0.173 g/L

Autoignition: 420 C (788 F)

Like most organic powders or crystals, under severe dusting conditions, this material may form explosive mixtures in air.

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2

Fire Fighting Instructions

Wear self-contained breathing apparatus. Run off from fire control may be a pollution hazard. If area is exposed to fire and conditions permit, let fire burn itself out. Burning chemicals may produce by-products more toxic than the original material. If product is on fire, wear self-contained breathing apparatus and full protective equipment. Use water spray. Control runoff.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

Note: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate personal protective equipment during clean-up.

Emergency response – chemical resistant coveralls, waterproof gloves, waterproof boots and face/eye protection. If dusting occurs, use NIOSH approved respirator protection.

Initial Containment

Follow applicable Federal State/ Provincial and Local laws/ regulations.

Prevent material from entering sewers, waterways or low areas.

Spill Clean Up

Shovel or sweep up.

HANDLING AND STORAGE

Handling: Keep out of reach of children. Will irritate the eyes and skin. Avoid contact with eyes and skin. Do not inhale spray mist. If product in eyes, wash it out immediately with water. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves, goggles and contaminated clothing. Keep away from ignition sources.

Storage: Store in the closed, original container in a cool, well-ventilated area. Keep dry. Do not store for prolonged periods in direct sunlight.



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EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standard

No exposure standards have been assigned.

Skin

Exposure standard – time weighted average means the average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five day working week.

Skin notation – absorption through the skin may be a significant source of exposure.

Engineering Controls: control process conditions to avoid contact. Use in well-ventilated area only.

PERSONAL PROTECTIVE EQUIPMENT

Protective measures: The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice. Personal protective equipment should be certified to appropriate standards.

Respiratory protection: A combination gas, vapor and particulate respirator may be necessary until effective technical measures are installed. Protection provided by air-purifying respirators is limited. Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

Hand protection: Chemical resistant gloves are not usually required. Select gloves based on the physical job requirements.

Eye protection: If eye contact is possible, use tight-fitting chemical safety goggles.

Skin and body protection: Assess the exposure and select chemical resistant clothing based on the potential for contact and the permeation / penetration characteristics of the clothing material. Wash with soap and water after removing protective clothing. Decontaminate clothing before re-use, or use disposable equipment (suits, aprons, sleeves, boots, etc.) Wear as appropriate: dust impervious protective suit

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Solubility in water: Dispersible

pH: 7.5

Odor: slightly pungent

Form: solid granules, dry flowable

Color: light brown

Bulk density (loose): 0.61 – 0.70 g/ml

STABILITY AND REACTIVITY

Chemical stability

Stable at normal temperatures and storage conditions

Incompatibility with other materials

None reasonably foreseeable

Polymerization

Polymerization will not occur.



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TOXICOLOGICAL INFORMATION

Animal Data

Tribenuron Methyl

Inhalation 4 hour LC50: > 6.7 mg/L in rats (very low toxicity)

Skin absorption LD50: > 2000 mg/kg in rabbits (very low to moderately toxic)

Oral LD50: > 5000 mg/kg in rats (very low toxicity)

Tribenuron Methyl is an eye irritant, and a skin sensitizer, but is not a skin irritant in animals. The effects in animals from a single ingestion exposure to Tribenuron Methyl include severe weight loss and decreased food consumption. Repeated ingestion doses caused body weight loss, increased liver and thyroid/ parathyroid weights, altered clinical chemical parameters, but no significant gross or microscopic treatment related effects were noted. Long term dosing caused body weight loss, alteration in clinical chemical parameters, and testicular atrophy (considered to be biologically insignificant).

Tribenuron Methyl produced an increased incidence of mammary tumors in female rats at dose levels also producing other significant effects. Developmental effects occurred in the rat, but only at a dose also toxic to the dam. No reproductive effects were observed in rats. Tribenuron Methyl did not produce genetic damage in bacterial or mammalian cell cultures or in animals.

ECOLOGICAL INFORMATION

Ecotoxicological information

Aquatic toxicity:

Tribenuron Methyl

96 hour LC50 – Rainbow Trout: > 1000 mg/L (Very low to low toxicity)

Avian toxicity:

Tribenuron Methyl

Acute oral LD50 – Bobwhite Quail: > 2250 mg/kg

Acute Dietary LC50 – Bobwhite Quail: > 5620 ppm

Acute Dietary LC50 – Mallard Duck: > 5620 ppm

DISPOSAL CONSIDERATIONS

Waste Disposal

Do not contaminate water supply, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/ Provincial, and Local regulations.

Container Disposal

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

TRANSPORT INFORMATION

Shipping information

DOT/IMO

Proper shipping name: Not regulated



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Regulatory information

US Federal Regulations

TITLE III HAZARD CLASSIFICATIONS SECTION 311, 312

Acute: no

Chronic: yes

Fire: no

Reactivity: no

Pressure: no

Other information

NFPA, NPCA-HMIS

NFPA Rating

Health: 1

Flammability: 1

Reactivity: 0

NPCA-HMIS Rating

Health: 1

Flammability: 1

Reactivity: 0

REGULATORY INFORMATION

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial and local laws and regulations.

OTHER INFORMATION

Section(s) Revised: New Format