

PROCURE® 50WS**Crompton**

Uniroyal Chemical
CROMPTON CORPORATION
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MSDS No. A386003

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CHEMTREC Transportation Emergency Phone: 1-800-424-9300

SAFETY DATA Information: (203) 573-3303

Date Issued: 10-18-94

Date Revised: 3-30-00; **Supersedes:** 3-25-97 R-3

NOTE TO END-USERS: This MSDS is being provided to all interested persons in accordance with federal and state right-to-know laws. Precautionary Statements, First Aid Statements and Directions for Use of this product by end-users are contained on the product label and must be followed at all times.

IDENTIFICATION

Trade Name: PROCURE® 50WS

CAS Number: 68694-11-1 (active)

Chemical Family: Imidazole

Chemical Name:

[1-[1[[4 chloro-2-(trifluoromethyl)phenyl]imino]-2-propoxyethyl]-1H Imidazole] ... 50%

Inerts: 50%

Common Name: Triflumizole

SPECIAL REGULATORY HAZARDS

Ingredient	CAS No.	Exposure Limit	OSHA (1910.1200)	EEC*
Product	68694-11-1	NA	Irritant Sensitizer	NA
Calcium Silicate	1344-95-2	15 mg/m ³ total dust 5 mg/m ³ , respirable dust (OSHA) 10 mg/m ³ (ACGIH)	Nuisance Particulate	NA
Crystalline Silica (<0.24%)	14808-80-7	0.1 mg/m ³ (ACGIH)	Carcinogen (IARC, 2A)	Possible risk of Irre- versible effects

Hazard assessment based on available data.

Transportation: IMO: Hazard Class 9, Miscellaneous; ID UN3077 - Marine Pollutant DOT/IATA/CAO: Not Regulated

PHYSICAL DATA

Appearance and Odor: Off-white powder; slight aromatic odor.

Solubility: Slightly soluble in water

Specific Gravity (H₂O=1): ND

Vapor Pressure @ 20°C: ND

Vapor Density (Air = 1): ND

Volatility @ 70°F: Low

Melting Point: 437°F (225°C)

Boiling Point: ND

Other Data: Bulk density: 15.8 lbs./ft., pH-8.82

FIRE AND EXPLOSION HAZARD DATA

Flash Point: ND

Extinguishing Media: Water spray, dry chemical.

Autoignition Temperature: 810°F (432°C)

Flammable Limits: ND

Special Fire Fighting Procedures: Protect against inhalation of combustion products. Contain run-off.

Unusual Hazards: None identified.

REACTIVITY DATA

Stability: Stable at ambient temperatures and pressures.

Incompatibility: Soluble below pH 6.0. Strong acids.

Decomposition Products: Oxides of carbon and nitrogen under burning conditions.

SPECIAL PROTECTION INFORMATION

Engineering Controls: Sufficient ventilation to minimize dust exposure.

Personal Protection Equipment: Applicators & Other Handlers Must Wear: A long-sleeved shirt & long pants; waterproof gloves; shoes plus socks; protective eyewear. Discard clothing & other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning & maintaining PPE if no such instructions for washables, use detergent & hot water. Keep & wash PPE separately from other laundry. When handlers use closed systems or enclosed cabs or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40CFR170.240 (d)), the handler PPE requirements may be reduced or modified as specified in the WPS.

STORAGE, SPILLS AND DISPOSAL INFORMATION

Storage: Store in a cool, dry location.

Spills: Vacuum up to avoid creating dust. Transfer into secure containers for proper disposal. Use personal protective equipment as outlined above.

Disposal: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Container Disposal: Plastic: 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: 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.

Environmental Information: This product is toxic to fish. Do not contaminate water when disposing of equipment washwaters. Do not discharge effluent containing this product directly into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency.

Triflumizole Technical

Trout: 96 hr LC₅₀ - 0.58 mg/l

Bluegill Sunfish: 96 hr LC₅₀ - 1.2 mg/l

Daphnia: 48 hr EC₅₀ - 1.4 mg/l

Carp: 96 hr LC₅₀ - 0.9 mg/l

Quail: LD₅₀ - > 2510 mg/kg

Quail: LC₅₀ - > 5620 ppm

Duck: LC₅₀ - > 5620 ppm

Triflumizole is toxic to fish. Keep out of lakes, streams and ponds. No adverse effects on avian species have been seen in acute tests.

HEALTH RELATED DATA

SPECIFIC HAZARDS: Contact with eyes can cause irritation. Chronic inhalation exposure may cause lung damage. Repeated, minimal contact with skin may cause an allergic skin reaction.

Primary Route(s) of Entry: Inhalation, skin absorption.

First Aid Procedures:

IF IN EYES: Flush with plenty of water for 15 minutes. Get medical attention.

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of Ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention.

TOXICOLOGY INFORMATION:

Oral toxicity: LD₅₀ (rats) - 2.23 g/kg

Dermal toxicity: LD₅₀ (rabbits) - > 2 g/kg

Inhalation toxicity: LC₅₀ (rats) - > 5.3 mg/l (4 hr.)

Irritation: eye (rabbits) - moderate

skin (rabbits) - negative

Sensitization: skin (guinea pigs) - positive

Chronic: The feeding to rats and mice of up to 1600 ppm triflumizole technical for 2 years did not produce an increased tumor incidence.

Teratogenicity: The administration of triflumizole technical to pregnant rats of up to 120 mg/kg/day and to pregnant rabbits of up to 50 mg/kg/day during gestation did not produce teratogenic effects. A two-generation reproduction study in rats at doses up to 170 ppm demonstrated a no effect level of 70 ppm for parental systemic toxicity. An increase in pup gestation length was observed at a dose level of 30 ppm and greater.

This product contains clay or diatomaceous earth which contains crystalline silica (0.24%), a naturally occurring component of sand and inorganic soils. Crystalline silica has been classified as a 2A carcinogen by the International Agency for Research on Cancer (IARC).

NA = Not Applicable

ND = Not Determined

*European Economic Community

Uniroyal makes no representation or warranty with respect to the information in this Material Safety Data Sheet. The information is however, as of this date provided, true and accurate to the best of Crompton's knowledge. This list of information is not intended to be all inclusive. Actual conditions of use and handling may require considerations of information other than, or in addition to, that which is provided herein.