

MATERIAL SAFETY DATA SHEET

Pyrimax™ 3.2 L Herbicide

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1. IDENTIFICATION

Product name: **Pyrimax™ 3.2 L Herbicide**
 Chemical name of active ingredient(s): Pyriithiobac-sodium: [Sodium 2-chloro-6-(4,6-dimethoxypyrimidin-2-ylthio)benzoate]
 Manufacturer/Registrant: Makhteshim Agan of North America, Inc.
 4515 Falls of Neuse Road, Suite 300
 Raleigh, NC 27609
 Phone: 919-256-9300
 For fire, spill, and/or leak emergencies, contact Infotrac: Phone: 1-800-535-5053
 For medical emergencies and health and safety inquiries, contact Prosar: Phone: 1-877-250-9291

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS NO.	%	OSHA PEL	ACGIH TLV	OTHER	NTP/IARC/OSHA (Carcinogen)
Pyriithiobac-sodium NE=None established NA=Not applicable	123343-16-8	32.88	NE	NE	NA	NA

3. HAZARDS IDENTIFICATIONS

PHYSICAL PROPERTIES

Appearance: Blue liquid
 Odor: Characteristic odor

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

4. FIRST AID

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IF IN EYES:	<ul style="list-style-type: none"> • 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.
IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF INHALED:	<ul style="list-style-type: none"> • Move person 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.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-308-5391 for emergency medical treatment information.

5. FIRE FIGHTING MEASURES

FLASHPOINT: >100°C (>212° F)
FLAMMABLE LIMITS (% in air): Not determined
AUTOIGNITION TEMPERATURE: Not determined

UNUSUAL FIRE, EXPLOSION AND REACTIVITY HAZARDS: Burning chemicals may produce by-product more toxic than the original material.

EXTINGUISHING MEDIA: Water, Water Spray, Foam, Dry Chemical, CO₂.

SPECIAL FIRE FIGHTING PROCEDURES: Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment. If area is exposed to fire and conditions permit, let fire burn itself out. If product is on fire, wear self-contained breathing apparatus and full protective equipment. Use water spray. Control runoff.

6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILLS OR LEAKS: Isolate area and keep unauthorized people away. Ventilate area. Absorb in sand or other inert material. Collect spills and put it into appropriate container. Dispose of this material and its container at an approved waste disposal facility.

7. HANDLING AND STORAGE

Do not contaminate water, food, or feed by storage, disposal or by cleaning equipment.

PRECAUTIONS TO BE TAKEN IN HANDLING: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. then wash thoroughly and put on clean clothing.

PRECAUTIONS TO BE TAKEN IN STORAGE: Store in original container only in a cool, dry place. Do not contaminate water, other pesticides, fertilizer, food or feed in storage.

STORAGE TEMPERATURE (MIN/MAX): Normal ambient temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

EYE PROTECTION: Use protective eyewear, if necessary.

SKIN PROTECTION: Wear long-sleeved shirt and long pants, and shoes plus socks.

HAND PROTECTION: Use chemical-resistant gloves Category A (such as butyl rubber, natural rubber, neoprene rubber or nitrile rubber) ≥14 mils.

RESPIRATOR REQUIREMENTS: For typical handling/use conditions, no respiratory protection is needed.

ADDITIONAL PROTECTIVE MEASURES: Do not store, use and/or consume foods, beverages, tobacco products or cosmetics in areas where this product is stored. Wash hands and face before eating, drinking, using tobacco, applying cosmetics or using the toilet.

ADDITIONAL PROTECTIVE MEASURES: Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. 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.

USER SAFETY RECOMMENDATIONS:

Users should:

- Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

EXPOSURE GUIDELINES: Refer to Section 2.

ENGINEERING CONTROLS: Minimize airborne concentrations.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Blue liquid
ODOR: Characteristic odor
FLASH POINT: >100°C (>212°F)
pH: 5.03 (1% aqueous solution)
DENSITY: 1.15

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal temperature and storage conditions.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: Not known.
HAZARDOUS DECOMPOSITION PRODUCTS: None known.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/IRRITATION STUDIES

Acute Oral LD50 (Rat):	> 5,000 mg/kg
Acute Dermal LD50 (Rat):	> 5,000 mg/kg
Acute Inhalation LC50 (Rat):	> 5.2 mg/L(4-hr.)
Eye Irritation (Rabbit):	Not irritating
Dermal Irritation (Rabbit):	Not irritating
Dermal Sensitization:	Not a skin sensitizer

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: This product is highly toxic to nontarget plants adjacent to areas of application. Do not apply this product or allow it to drift to areas where endangered or desired plant species exist. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Dispose of product containers, waste containers, and residues according to label instructions and local, state, and federal health and environmental regulations.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION:

Not regulated

INTERNATIONAL TRANSPORTATION:

IMO (Vessel): UN3082, Environmentally hazardous substances, liquid, N.O.S. (pyrithiobac-sodium), 9, PGIII, Marine Pollutant

IATA (Air): Not regulated

15. REGULATORY INFORMATION

SARA TITLE III CLASSIFICATION:

Section 302: Not applicable.
Section 311/312: Acute health hazard (immediate)
Section 313: Not applicable

CA PROPOSITION 65: Not applicable

CERCLA RQ: Not applicable

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RCRA CLASSIFICATION: 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: The ingredients of this product are listed on the TSCA inventory or are exempt.

16. OTHER INFORMATION

HAZARD RATINGS	NFPA	HMIS	
HEALTH:	2	2	0 LEAST
FLAMMABILITY:	0	0	1 SLIGHT
REACTIVITY:	0	0	2 MODERATE
			3 HIGH
			4 SEVERE

MSDS DATE: 7-12-10. Superseded version dated 6-22-10 and 10-8-08. Changes made to sections 9 and 14.

The information herein is given in good faith, but no warrant, express or implied, is made. Consult Makhteshim Agan of North America, Inc. for further information.