

MATERIAL SAFETY DATA SHEET

**Sekor P+D**

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**1. IDENTIFICATION**

Product name: **Sekor P+D**  
 Chemical name of active ingredient(s): Picloram: 4-amino-3,5,6-trichloropicolinic acid, triisopropanolamine salt  
 2,4-D: 2,4-dichlorophenoxyacetic acid, triisopropanolamine salt  
 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 Prozar: Phone: 1-877-250-9291

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

CHEMICAL NAME	CAS NO.	%	OSHA/PEL	ACGIH/TLV	OTHER	NTP/IARC/OSHA (Carcinogen)
Picloram, TIPA	6753-47-5	10.2	NE	NE	NE	NA
2,4,-D Triisopropanolamine (TIPA)	32341-80-3	39.6	NE	NE	NE	NA
Isopropanol	67-63-0	5%	400ppm	200ppm (TWA) 400ppm (STEL)	NA	NA

NE=not established

NA=not applicable

**3. HAZARDS IDENTIFICATION**

**PHYSICAL PROPERTIES**

**Appearance:** Amber liquid

**Odor:** Alcohol-like

**EMERGENCY OVERVIEW:** DANGER. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes or on clothing. Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals.

**ROUTES OF ENTRY:** Eye, skin contact and ingestion.

**POTENTIAL HEALTH EFFECTS:**

**Eye:** May cause moderate eye irritation, which may be slow to heal. May cause slight corneal injury.

**Skin:** Prolonged or repeated exposure may cause skin irritation, even a burn. Skin contact may cause allergic skin reaction. Prolonged skin contact is unlikely to result in absorption of harmful amounts.

**Ingestion:** Low toxicity if swallowed. Small amounts that may be ingested incidental to normal handling operations are not likely to cause injury. Swallowing larger amounts may cause injury.

**Inhalation:** Prolonged exposure is not likely to cause adverse effects.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride, oxides of nitrogen, chlorinated pyridine.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** No specific conditions are known which may be aggravated by exposure to this product.

**4. FIRST AID**

<b>FIRST AID</b>	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Prozar at 1-877-250-9291 for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN:</b> Probably mucosal damage may contraindicate the use of gastric lavage.	

**5. FIRE FIGHTING MEASURES**

**FLASHPOINT:** > 44°C (111°F)

**FLAMMABLE LIMITS (% in air):** Not determined

**AUTOIGNITION TEMPERATURE:** Not determined

**FIRE FIGHTING PROCEDURES:** Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water/firefighting water; do not allow to enter drains or waterways. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

**FIRE FIGHTING EQUIPMENT:** Self-contained breathing apparatus and turnout gear.

**UNUSUAL FIRE, EXPOSURE AND REACTIVITY HAZARDS:** May thermally decompose in fire releasing irritating and toxic gasses.

**SUITABLE EXTINGUISHING MEDIA:** Foam, dry chemical, CO<sub>2</sub> or water spray.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride and oxides of nitrogen  
**6. ACCIDENTAL RELEASE MEASURES**

**ACTION TO TAKE FOR SPILLS/LEAKS:** Clean up spills immediately. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. **Small Spill:** Absorb small spills with sand, vermiculite or other inert absorbent. Place contaminated material in appropriate container for disposal. **Large Spill:** Dike spillage and recover and retain as much free liquid as possible for reuse. Pick up remainder with suitable absorbent material. Place into suitable containers for reuse or disposal in a licensed facility. After removal, thoroughly clean contaminated area with water. Collect wash water for approved disposal.

**7. HANDLING AND STORAGE**

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

**PRECAUTIONS TO BE TAKEN IN HANDLING:** Use only in a well-ventilated area. Wear suitable personal protective clothing and equipment.

**PRECAUTIONS TO BE TAKEN IN STORAGE:** Keep container tightly closed when not in use. If exposed to subfreezing temperatures, the product should be warmed to at least 40°F and thoroughly mixed before using. Open dumping is prohibited.

**STORAGE TEMPERATURE (MIN/MAX):** Store below 40°C (105°F) and above 6°C (40°F).

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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

**FOR COMMERCIAL APPLICATION AND ON-FARM APPLICATIONS, CONSULT THE PRODUCT LABEL.**

**Applicators and other handlers who handle this pesticide must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks
- Protective eyewear (e.g., goggles or full-face shield).
- Chemical resistant gloves (> 14 mils) such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber.

**RESPIRATORY PROTECTION:** When handling in enclosed areas or areas with limited ventilation, use a respirator with either an organic vapor cartridge with a pre-filter approved for pesticides (MSHA/NIOSH TC-23C) or a canister approved for pesticides (MSH/NOISH TC-14G).

**ADDITIONAL PROTECTIVE MEASURES:** Discard clothing and 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 and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS:**

Users should

- 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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**EXPOSURE GUIDELINES:** Refer to Section 2.

**ENGINEERING CONTROLS:** Refer to product label.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** Amber liquid

**ODOR:** Alcohol-like

**pH:** 6.5 – 7.0

**SPECIFIC GRAVITY:** 1.14@20°C

**10. STABILITY AND REACTIVITY**

**GENERAL:** Stable under normal use and storage conditions. May decompose if heated.

**INCOMPATIBLE MATERIALS:** Strong acids and oxidizing materials.

**CONDITIONS TO AVOID:** Avoid temperatures above 105°F (40°C) and below 40°F (6°C).

**HAZARDOUS DECOMPOSITION:** Nitrogen oxides and hydrogen chloride may be formed under fire conditions.

**HAZARDOUS POLYMERIZATION:** Material is not known to polymerize.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY/IRRITATION STUDIES:**

Acute Oral LD50 (Rat): > 2,000 mg/kg

Acute Dermal LD50 (Rat): > 2,000 mg/kg

Acute Inhalation LC50 (Rat): > Not available

Eye Irritation (Rabbit): Moderately irritating; may cause corneal injury

Dermal Irritation (Rabbit): Moderately irritating

Dermal Sensitization: Potential skin sensitizer

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish and aquatic invertebrates. Drift and runoff may be hazardous to aquatic organism in water adjacent to treated areas. This pesticide is toxic to some plants at

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very low concentrations. Non-target plants may be adversely affected if pesticide is allowed to drift from areas of application. 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.

Picloram is known to leach through soil into groundwater under certain conditions as a result of agricultural use. 2, 4-D has properties and characteristics associated with chemicals detected in groundwater. Use of these chemicals in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**13. DISPOSAL CONSIDERATIONS**

**END USERS MUST DISPOSE OF ANY PRODUCT AS PER THE LABEL RECOMMENDATIONS.**

**PRODUCT 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:**

Non-bulk: Not regulated

Bulk: NA1993, Combustible liquid, N.O.S. (isopropanol), PGIII

**INTERNATIONAL TRANSPORTATION:**

**IMO (vessel):** UN1993, Flammable liquid, N.O.S. (isopropanol), 3, PGIII

**IATA (air):** UN1993, Flammable liquid, N.O.S. (isopropanol), 3, PGIII

**Reportable Quantity:** 26.5 gals (253 lbs of this product) – 2, 4-D

**15. REGULATORY INFORMATION**

**SARA TITLE III CLASSIFICATION:**

**Section 302/304:** Not applicable

**Section 311/312:** Immediate (Acute) Health Hazard  
Delayed (Chronic) Health Hazard  
Fire hazard

**Section 313 chemical(s):** Picloram 10.2% (CAS No. 1918-02-1)  
Isopropyl alcohol 5% (CAS No. 67-63-0)

**CA PROPOSITION 65:** Not applicable.

**CERCLA REPORTABLE QUANTITY (RQ):** 2,4-D, Salt RQ= 100 lbs. (39.6% in the product)

**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**

<b>HAZARD RATINGS:</b>	<b>NFPA</b>	0 LEAST
<b>HEALTH:</b>	2	1 SLIGHT
<b>FLAMMABILITY:</b>	2	2 MODERATE
<b>REACTIVITY:</b>	0	3 HIGH
		4 SEVERE

**MSDS DATE:** 1-4-10

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