

MATERIAL SAFETY DATA SHEET**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

COMPANY ADDRESS: TopPro SPECIALTIES
P.O. BOX 772099
Memphis, TN 38117
(A unit of BASF Corp.
and Micro Flo Co.)

EMERGENCY TELEPHONE NUMBERS:
(800) 424-9300 (CHEMTREC, transportation and spills)
(800) 900-4000 (Poison Control Center, human health)
(800) 345-4735 (ASPCA, animal health)

PRODUCT NAME : Amdro PRO
CHEMICAL NAME : Hydramethylnon
CHEMICAL FAMILY : Amidinohydrazone
PRODUCT CODE : EPA Reg. No. 241-322-51036

SECTION 2 - COMPOSITION, INFORMATION OF INGREDIENTS

COMPONENT	PERCENT	CAS NUMBER	OSHA PEL	ACIGH TLV
Hydramethylnon	0.73	67485-29-4	Not Listed	Not Listed

SECTION 3 - HAZARDS IDENTIFICATION SUMMARY

(As defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200)

EMERGENCY OVERVIEW:

- May be harmful if swallowed.
- Avoid contact with eyes, skin or clothing.
- Keep out of reach of children.

POTENTIAL HEALTH HAZARDS:

SKIN - Prolonged or repeated skin contact may cause irritation.
INGESTION - May be harmful if swallowed.

POTENTIAL PHYSICAL HAZARDS: None known.

ENVIRONMENTAL HAZARDS: Toxic to fish. Keep out of waterways. Keep pets away from treated areas for at least 24 hours after application.

SECTION 4 - FIRST AID MEASURES

IF SWALLOWED: Drink one or two glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.

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

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

IF INHALED: 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.

NOTE TO PHYSICIAN: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

NOTE: Have the product container or label with you when calling a poison control center or doctor or going for treatment.

SECTION 5 - FIRE FIGHTING MEASURES

FLASHPOINT (method): > 220 F

FLAMMABLE LIMITS (LFL-UFL): Unknown.

FIRE AND EXPLOSION HAZARD: Organic dusts at sufficient concentrations can form explosive air/dust mixtures. Can burn in fire, releasing irritating and toxic gases due to thermal decomposition or combustion.

EXTINGUISHING MEDIA: Use foam, dry chemical, carbon dioxide, or water spray when fighting fires involving this material.

FIRE FIGHTING INSTRUCTIONS: Evacuate area and fight fire upwind from a safe distance to avoid potential hazardous vapors and decomposition products. Dike

and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems is preferred to prevent environmental damage from excessive water run off. If using water, use spray or fog rather than solid stream to minimize spreading.

FIRE FIGHTING EQUIPMENT: Self-contained breathing apparatus with full facepiece. Full fire fighting turnout gear (Bunker gear).

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon and nitrogen, HF

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Clean up spills immediately, observing precautions in Section 8 of this document. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

SMALL SPILL: Vacuum or sweep up material and place in a container for reuse or disposal.

LARGE SPILL: Vacuum or sweep up material and place in a container for reuse or disposal. The very fine particles can cause a fire or explosion, eliminate all ignition sources. Reduce airborne dust and prevent scattering by moistening with water if necessary. After removal, flush contaminated area with soapy water. Pick up wash liquid with additional absorbent and place in a disposable container.

This material is a water pollutant and should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. If a spill occurs in a body of water, notify the appropriate authorities downstream of the spill so that they can decide what if any further action is needed.

Wear appropriate personal protection equipment. (See Exposure Controls, Personal Protection section.) Decontaminate equipment before reuse.

SECTION 7 - HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN!

HANDLING: Use only in a well-ventilated area. Minimize dust generation and accumulation to prevent formation of flammable dust-air mixtures.

STORAGE: Store in a cool, dry secure place and keep container tightly closed. Amdro PRO is formulated in an oil bait that functions as an attractant to ants. Prolonged exposure to air may turn oil rancid and reduce the attractiveness of the bait. Use within 3 months after opening.

USE WITHIN 3 MONTHS AFTER OPENING CONTAINER.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS (8 HOUR TWA): (Refer to Section 3)

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to maintain air contaminants below their acceptable exposure limits (TWA of 1.4 mg/m³ per manufacturer). Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION - Safety glasses.

CLOTHING - Long-sleeved shirt and long pants, Shoes plus socks.

GLOVES - Waterproof gloves.

RESPIRATOR - Supplied air respirators should be worn when handling where large quantities of mist/dust (10x the TWA) are generated or prolonged exposure is possible.

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 and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. 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.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION: Mustard color free flowing granule.

ODOR: Mild vegetable oil like.

MOLECULAR WEIGHT (technical): 494.5

MOLECULAR FORMULA (technical): C₂₅H₂₄N₄F₆

BULK DENSITY: 15 - 24 lbs/cu.ft.

pH: Unknown.

VAPOR PRESSURE: 6 x 10⁽⁻⁸⁾ @ 25 C.

% VOLATILE: Unknown

WATER SOLUBILITY (technical): 0.88 ppm @ 25 F.

SECTION 10 - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable, however may decompose if heated.

CONDITIONS TO AVOID: Product may develop rancidity on prolonged exposure to air.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen and carbon (due to thermal decomposition), HF

HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.

SECTION 11 - TOXICOLOGICAL INFORMATION**ACUTE TOXICITY:**

Oral LD ₅₀ (rat)	-	> 5,000 mg/Kg
Dermal LD ₅₀ (rat)	-	> 2,000 mg/Kg
Inhalation LC ₅₀ (rat)	-	Unknown, product is not usually respirable.
Eye Irritation (rabbit)	-	Not irritating.
Skin Irritation (rabbit)	-	Slight
Sensitization (guinea pig)	-	Non-sensitizer.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

CARCINOGEN STATUS:

OSHA	-	Not listed.
NTP	-	Not listed.
IARC	-	Not listed.

SECTION 12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: This product is very toxic to fish and aquatic invertebrates. Do not apply directly to water, 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. Do not apply when weather conditions favor drift from target areas.

SECTION 13 - DISPOSAL CONSIDERATIONS

WASTE: Pesticide wastes are toxic. Dispose of in accordance with applicable Federal, state and local laws and regulations.

CONTAINER: Refer to product label.

SECTION 14 - TRANSPORT INFORMATION

DOT SHIPPING DESCRIPTION: Insecticide, Agricultural, NOIBN

DOT HAZARD CLASS: Non-hazardous

UN NUMBER: N/A
DOT PACKING GROUP: PG III
DOT PRIMARY/SECONDARY LABEL: N/A
DOT PRIMARY/SECONDARY PLACARD: N/A
DOT EMERGENCY RESPONSE GUIDE #: N/A

SECTION 15 - REGULATORY INFORMATION

FIFRA: All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act. The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide.

OSHA HAZARD COMMUNICATION STANDARD STATUS: Non-hazardous

CERCLA REPORTABLE QUANTITY: N/A

SARA TITLE III STATUS:

302 Extremely Hazardous Substance	- No
311/312 Hazard Categories	- Immediate, delayed
313 Toxic Chemicals	- Hydramethylnon (CAS # 67485-29-4)

CALIFORNIA PROP 65 STATUS: Listed, Developmental toxin

SECTION 16 - OTHER INFORMATION

DISCLAIMER: The information presented herein is based on available data from reliable sources and is correct to the best of Micro Flo's knowledge. Micro Flo makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

REVISED DATE: September 12, 2001
REVISED FOR: Eye irritation and respiration statements.