

MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION

NFPA Rating: Health-2; Flammability-2; Reactivity-0; Special- -		HMIS Rating: Health-2; Flammability-2; Reactivity-0; Personal Protection-B	
Manufacturer's Name: Amrep, Inc.		DOT Hazard Classification:	
Address: 990 Industrial Park Dr.		For ground transport: Combustible (CFR173.150F)(in bulk container less than 110 gallons)	
Address: Marietta, GA 30062		For ocean vessel or air transport: Flammable Liquid, 3	
Date Prepared: 05/16/07 Prepared By: RC/IB		Identity (trade name as used on label): MISTY REPCO-KILL LF	
Information Calls: (770)422-2071		MSDS Number: B00577 Revision - 2	
EMERGENCY RESPONSE NUMBER: 1-800-255-3924		NOTICE: JUDGMENT BASED ON INDIRECT TEST DATA	

SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
PETROLEUM DISTILLATE	68476-30-2 / 64742-94-5 / 64742-47-8	No	500	500	d
NAPHTHALENE	91-20-3	Yes	10	10	d
2-BUTOXYETHANOL (glycol ether)	111-76-2	Yes	50	25(skin)	d
2,4-D ISOCTYL ESTER	1928-43-4	Yes	10mg/m3	10mg/m3	e
5-BROMO-3-SEC-BUTYL METHYLURACIL	314-40-9	Yes	10mg/m3	10mg/m3	e

WARNING: This product contains a chemical or chemicals known to the State of California to cause cancer.

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: Initial 430°F	Specific Gravity (H ₂ O=1): 0.90
Vapor Pressure: PSIG @ 70°F (Aerosols): N/A	Vapor Pressure (Non-Aerosols)(mm Hg and Temperature): 0.3
Vapor Density (Air = 1): greater than 1	Evaporation Rate (BUAC = 1): 0.07
Solubility in Water: Insoluble	Water Reactive: Negligible
Appearance and Odor: Colorless to amber fluid with aromatic odor.	

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols):N/A Auto Ignition Temperature: N/A Flammability Limits in Air by% in Volume: %LEL=1.0; %UEL= 6.0	
FLASH POINT AND METHOD USED (non-aerosols): approx.140°F TCC (may vary due to variation in petroleum)	EXTINGUISHER MEDIA: Carbon dioxide, sand, dry chemical, water fog.
SPECIAL FIRE FIGHTING PROCEDURES: Do not enter confined space w/o full bunker gear including positive pressure	
NIOSH approved SCBA. Cool fire exposed containers w/water.	
Unusual Fire & Explosion Hazards: Oxidation & thermal decomposition can liberate noxious & toxic fumes.	

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY [X] STABLE [] UNSTABLE	HAZARDOUS POLYMERIZATION [] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid): Strong oxidizing agents.	Conditions to Avoid: Excessive heat, sparks, open flame.
Hazardous Decomposition Products: Oxides of carbon & nitrogen, hydrogen chloride, hydrogen bromide, unidentified organics.	

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: [X] INHALATION [] INGESTION [X] SKIN ABSORPTION [] EYE [] NOT HAZARDOUS	
ACUTE EFFECTS: CNS symptoms: giddiness, headache, dizziness, nausea, unconsciousness.	
Inhalation: High vapor or spray mist concentrations may produce nose, throat & respiratory irritation & may cause CNS depression (see symptoms above).	
Eye Contact: Slightly irritating. High vapor concentrations may be irritating. Skin Contact: Prolonged/repeated contact can result drying of skin, irritation & dermatitis.	
Ingestion: Not highly toxic, but may result in vomiting. Aspiration of vomitus may result in pneumonia.	
CHRONIC EFFECTS: This product may cause skin sensitization reactions in some people.	
Medical Conditions Generally Aggravated by Exposure: Pre-existing eye, skin and respiratory disorders.	

EMERGENCY FIRST AID PROCEDURES

Eye Contact: Flush with water 15 minutes while holding lids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention.
Skin Contact: Remove contaminated clothing. (Launder clothing before re-use.) Wipe excess from skin. Wash with soap and water. If irritation persists, get medical attention.
Inhalation: Remove to fresh air. If CNS symptoms occur, get medical attention.
Ingestion: Immediately call poison control center or doctor. DO NOT INDUCE VOMITING unless told to by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. NOTE TO PHYSICIAN: May pose an aspiration pneumonia hazard. Contains petroleum distillates. (National Poison Control is 1-800-222-1222)

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (specify type): Avoid prolonged or repeated breathing of vapors or spray mist. Respirator not required with adequate ventilation.
Protective Gloves: Chemical resistant (barrier laminate, nitrile rubber, viton, selection category E) Eye Protection: Safety glasses, goggles / face shield as appropriate.
Ventilation Requirements: Normal room ventilation is adequate for normal handling & storage. For large spills, use explosion-proof ventilation to control vapor concentration.
Other Protective Clothing & Equipment: Long-sleeved shirt, long pants, socks, and shoes. Chemical resistant clothing as needed to minimize contact. If container is over one gallon must also wear coveralls or a chemical resistant apron. Eyewash stations & safety showers recommended.
Hygienic Work Practices: Wash hands after handling. Wash the outside of gloves before removing. As soon as possible, after work, remove all clothing & shower using soap & water. Do not reuse clothing worn during application of this product without cleaning first. Clothing must be kept & washed separately from other household laundry.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps To Be Taken If Material Is Spilled Or Released: Contain spill. Do not contaminate sewers, ground waters or surface waters. Soak up in inert absorbent material & place into properly labeled & sealed non-leaking containers for disposal in authorized manner as hazardous waste.
Waste Disposal Methods: Dispose of in accordance with all local, state and federal regulations. PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law and may contaminate ground water. 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 your EPA Regional Office for guidance. CONTAINER DISPOSAL: (For 1 gallon plastic containers): Triple rinse (or equivalent). Then offer for recycling, or reconditioning, or puncture and dispose of in a sanitary landfill, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. (For 5 to 55 gallon metal containers): Triple rinse (or equivalent). Then offer for recycling, or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.
Precautions To Be Taken In Handling & Storage: Store in original shipping containers. Keep container tightly closed when not in use. Do not contaminate water, food, feed or fertilizer by storage or disposal. If container is damaged or leaking, contain spill. Keep away from sources of heat, sparks or open flame.
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read & follow label directions. If this container is five gallons or more in capacity, do not open pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. Do not cut or weld on full, part full or empty drums because explosive mixtures of air & vapor may be present. Do not enter or allow others to enter the treated area until sprays have dried.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

** Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only

THIS MSDS IS CURRENT AS OF January 04, 2010. The DATE PREPARED section is the original date assembled and remains current until a change is necessary. This is tracked internally at the manufacturer by these date codes and therefore must remain as the originating date.