

Material Safety Data Sheet

Effective Date: 04-FEB-2005
Product: ShutOut

I. IDENTIFICATION

Chemical Name: 2,4-D+Carfentrazone-ethyl+MCP
Chemical Family: Phenoxy Herbicides
Formula: Not applicable, formulated mixture.
Synonyms: None
CAS Number: Not applicable, formulated mixture.
EPA Number: 2217-869-5905

II. PHYSICAL DATA

Boiling Point: >200 Degrees F.
Freezing Point: <35 Degrees F.
Spec Gravity: 0.95770 gms/cc
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: Emulsifiable
Volatiles: Not determined
Evaporation: Not determined
Melting Point: Not applicable
Appearance: Yellow brown liquid, sweet solvent odor.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
2,4-Dichlorophenoxyacetic acid, isooctyl (2-ethylhexyl) ester	1928-43-4	30.17	N/E	Skin & eye irritant
Carfentrazone-ethyl	128639-02-1	0.62	N/E	Skin & eye irritant
R(+)-2-(2-Methyl-4-chlorphenoxy) propionic acid (MCP)	16484-77-8	6.16	N/E	Skin & eye irritant
Inert ingredients		63.05	N/E	Non-hazardous

IV. FIRE AND EXPLOSION HAZARD

Flash Point: >200 Degrees F. (PMCC)
Autoignition Temp: Not determined
Flammable Limit: Not determined
Extinguishing Media: Use foam, carbon dioxide, or dry chemical extinguishing agents.
Special Fire Fight Proc: Wear positive-pressure breathing apparatus and full protective clothing. Fight fire from a maximum distance. Stay upwind and out of low

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areas. Runoff from fire control area may cause pollution.

Fire and Expl Hazard: May produce organochlorides, nitrogen oxides, hydrogen chloride and carbon monoxide.

V. HEALTH HAZARD

Carcinogen Information: See Section IX, Special Precautions.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: Ingestion usually causes vomiting. Pain in the chest and abdomen, and diarrhea may follow. Headache, mental confusion, and bizarre behavior are early manifestations of severe poisoning, which may lead to unconsciousness.

Skin Absorption: Moderately irritating with skin contact.

Inhalation: Moderately irritating to the mucous membranes. Inhalation of sprays may cause burning sensations in the respiratory tract, resulting in coughing. Prolonged inhalation causes dizziness.

Skin contact: Moderately irritating with skin contact.

Eye Contact: Moderately irritating to the eyes.

Chronic Effects: Individuals with chronic skin disease or known sensitivity to chlorophenoxy compounds should either avoid using them or take strict precautions to avoid contact.

Other Hazard: None currently known.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to by a doctor or poison control center. Do not give any liquids to drink. Do not give anything by mouth to an unconscious person.

Skin: Remove contaminated clothing. Immediately wash skin with plenty of soap and water. Call a poison control center or doctor for treatment advice.

Inhalation: Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for treatment advice.

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Eyes: 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. Call a poison control center or doctor for treatment advice.

Notes to Physician: Contains petroleum distillate - vomiting may cause aspiration pneumonia.

VI. REACTIVITY

Stability: Stable

Conditions to Avoid: None known.

Polymerization: Will Not Occur

Conditions to Avoid: None known.

Incompatibility material: None currently known.

Hazardous Combustion: May produce gases such as hydrogen chloride, organochlorides, nitrogen oxides and carbon monoxide when burning.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Do not touch spilled material. Use appropriate PPE to avoid contact. Contain and absorb spilled material on an inert absorbent, such as sand, clay or vermiculite. Collect into drums; cover and label for disposal. Flush area with water, if possible. Collect rinse water and place in same container with other material.

Waste Disposal Method: This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

VIII. SPECIAL PROTECTION INFORMATION

Respiration: If exposure limits are exceeded, use a NIOSH-approved respirator suitable for organic vapors (NIOSH approval number TC-23C).

Ventilation: Good local ventilation is recommended.

Gloves: Chemical-resistant gloves

Eyes: Chemical goggles or safety glasses w/side shields

Other: Emergency shower, eyewash station, long-sleeved shirt and long pants, shoes plus socks.

IX. SPECIAL PRECAUTIONS

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Other precaution: Carcinogen Note: The IARC lists chlorophenoxy herbicides in its Group 2B (limited evidence for human carcinogenicity). The USEPA has given the chlorophenoxy herbicides 2,4-D, 2,4-DP, MCPP and MCPA a Class D classification (not classifiable as to human carcinogenicity). A recent World Health Organization (WHO) review of 2,4-D toxicology has concluded 2,4-D is not a carcinogen.

Spills may be reportable to the National Response Center at 1-800-424-8802.

Reactivity: 0

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S.A.R.A. Title III Hazard Classification: (Yes/No)

Immediate (Acute) Health: Y
Sudden Release of pressure: N
Reactive: N

Delayed (Chronic) Health: N
Fire: N

Mail inquiries to: 225 Schilling Blvd., Suite 300 Collierville, TN 38017
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