

Material Safety Data Sheet

Effective Date: 22-FEB-2013
Product: FULL DECK

I. IDENTIFICATION

Chemical Name: MCPA + Fluroxypyr + Clopyralid
Chemical Family: Herbicide
Formula: Not applicable, formulated mixture.
Synonyms: HM-1144
CAS Number: Not applicable, formulated mixture.
EPA Number: 5905-590

II. PHYSICAL DATA

Boiling Point: Not determined
Freezing Point: Not determined
Spec Gravity: 1.149 g/ml
Vapor Pressure: Not determined
Vapor Density: Not determined
Solubility: Miscible
Volatiles: Not determined
Evaporation: Not determined
Melting Point: Not applicable
Appearance: Clear, amber liquid.

III. INGREDIENTS

Material	CAS Number	Percent	TLV	Hazard
MCPA: 2-Methyl-4-Chlorophenoxyacetic Acid	94-74-6	25.94	N/E	Skin & eye irritant.
Fluroxypyr 1-methylheptyl ester ((4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy)	81406-37-3	10.02	N/E	Skin & eye irritant.
Clopyralid: 3,6-dichloro-2-pyridinecarboxylic acid	1702-17-6	6.00	N/E	Skin & eye irritant.
Inert ingredients and formulation aids		58.04	N/E	Skin & eye irritant.

IV. FIRE AND EXPLOSION HAZARD

Flash Point: Not determined
Autoignition Temp: Not determined
Flammable Limit: Not determined
Extinguishing Media: Use foam, water spray, dry chemical or carbon dioxide extinguishing agents.
Special Fire Fight Proc: Wear self-contained breathing apparatus and full protective clothing. Dike area to prevent

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Fire and Expl Hazard: runoff of fire fighting water.
May produce hydrogen chloride, other chlorine
compounds, and oxides of carbon and nitrogen.

V. HEALTH HAZARD

Carcinogen Information: See Carcinogen Note, Section IX.

ACUTE EFFECTS OF OVER EXPOSURE

Swallowing: May be harmful if swallowed. The Acute Oral
LD50 for a similar formulation is 3,129 mg/kg
(female rat).
Skin Absorption: No hazard anticipated. Acute Dermal LD50 for a
similar formulation is > 5,000 mg/kg (rat).
Inhalation: Low inhalation toxicity is expected. Acute
Inhalation LC50 for a similar formulation is
>2.10 mg/L (4 hour, rat). Irritation may
occur.
Skin contact: May be slightly toxic and slightly irritating
with skin contact.
Eye Contact: Substantial but temporary eye injury may occur
with contact. Vapors and mists may cause
irritation.
Chronic Effects: No data available.
Other Hazard: Inhalation of Full Deck may aggravate existing
chronic respiratory problems such as asthma,
emphysema or bronchitis. Skin contact may
aggravate existing skin disease.

EMERGENCY AND FIRST AID PROCEDURES

Swallowing: Call a poison control center or doctor
immediately for treatment advice. Sip a glass
of water if able to swallow. Do not induce
vomiting unless told to do so by a medical
professional. Do not give anything by mouth to
an unconscious person.
Skin: Remove contaminated clothing. Wash affected
area with plenty of soap and water. Call a
poison control center or doctor for treatment
advice.
Inhalation: Move to fresh air. If 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.

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Eyes: Immediately flush eyes with water, continuing for at least 15 minutes while holding the eyelids apart. Remove contact lenses, if present, after first 5 minutes, then continue rinsing the eye. Seek immediate medical attention.

Notes to Physician: In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

VI. REACTIVITY

Stability: Stable
Conditions to Avoid: Avoid exposure to excessive heat. Do not store near heat or flame.
Polymerization: Will Not Occur
Conditions to Avoid: None currently known.
Incompatibility material: Avoid contact with strong oxidizing agents, bases and acids.
Hazardous Combustion: May produce hydrogen chloride, other chlorine compounds, and oxides of carbon and nitrogen.

VII. SPILL OR LEAK PROCEDURES

Spill or Leak Proc: Dike spilled liquid to prevent contaminating water supplies, lakes, streams, waterways or drains. Absorb with an inert material, such as clay, sand or earth. Collect absorbent material and place in suitable closed containers for proper disposal.
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: None normally required.
Ventilation: General and/or local exhaust should be sufficient.
Gloves: Chemical-resistant gloves.
Eyes: Splashproof goggles or face shield.
Other: Eyewash station, emergency shower, long-sleeved shirt and long pants, shoes plus socks.

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IX. SPECIAL PRECAUTIONS

Special precaution: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water supplies, lakes, streams or ponds.

Other precaution: Carcinogen Note: The IARC lists exposure to chlorophenoxy herbicides as Class 2B carcinogen, the category for limited evidence for carcinogenicity in humans. However, newer rat and mouse lifetime feeding studies do not show carcinogenic potential for MCPA. Fluroxypyr did not cause cancer in laboratory animals. Clopyralid did not cause cancer in laboratory animal studies.

X. SHIPPING INFORMATION

Shipping name: Not regulated by DOT, IATA or IMDG.
Hazard Class: None
Identification No: None
Labels Required: None required
Placarding: None
Freight Class: Pesticides, NOI, Herbicides, Other than Poison
(NMFC Item 155050, Sub 11, Class 70)

Chemical Name Equivalent R.Q.

Not applicable Not applicable

XI. GENERAL PRODUCT INFORMATION

National Fire Protection Association Rating:
(Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

Health: 2 Fire: 1 Reactivity: 0

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

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

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