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MATERIAL SAFETY DATA SHEET

PRODUCT: Vigoro Liquid Lawn Weed & Feed Fertilizer 15-5-5

SECTION 1 - PRODUCT INFORMATION

P.C.P. Act Registration No.: 990009C

CODE 8102220

Chemical Name: 2,4-D: 2,4-Dichlorophenoxyacetic acid, amine salt

Mecoprop: 2-(4-chloro-2-methylphenoxy) propionic acid, amine salt

Dicamba: 2-Methoxy-3,6-dichlorobenzoic acid, amine salt

Synonyms: Mecoprop: MCPP, CMPP

Chemical Family: Phenoxy Herbicide

Product Use: Domestic Fertilizer and Herbicide

TDG Classification: Not Regulated

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	WEIGHT %	CAS REG #	LD50 (mg/Kg)	T.W.A. - T.L.V.
2,4-D Amine	0.56	94-75-7	Oral, rat 375 Dermal, rabbit 1400	10 mg/m ³ (acid)
Mecoprop	0.29	93-65-2	Oral, rat 1166 Dermal, rabbit >4000	-
Dicamba	0.058	1918-00-9	Oral, rat 2629 Dermal, rabbit 2000	-

SECTION 3 - PHYSICAL DATA

Physical State: Liquid

Specific Gravity: 1.3

Boiling Point: No Data

Vapour Pressure: 35-144 C

% Volatiles: No Data

Solubility in Water: Soluble

Appearance\Odour: Blue solution, slight phenolic odour.

pH: 8

Freezing/Melting Point: No Data

Vapour Density: 2-5

Evaporation Rate: No Data

SECTION 4 - FIRE AND EXPLOSION

Flash Point: Not Applicable

Lower Explosion Limit %: Not Applicable

Fire Extinguishing Media: Foam, Dry Chemical, Carbon Dioxide, Water Fog

Fire Fighting Procedures: Wear self-contained Breathing Apparatus and impervious clothing. Minimize the amount of water used and contain the run-off.

Other Fire or Explosion Hazards: Noxious fumes and hydrogen chloride maybe produced.

Autoignition Temperature: Not Applicable

Upper Explosion Limit %: Not Applicable

SECTION 5 - REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will Not Occur

Conditions to Avoid: Elevated temperatures and high storage temperatures - above 40 °C

Incompatibility (Materials to Avoid): Strong oxidizers, zinc and acids.

Hazardous Decomposition Products: Hydrogen chloride, hydrogen oxide, ammonia and oxides of nitrogen and carbon

SECTION 6 - HEALTH HAZARD DATA

Acute Effects of Overexposure: May cause nausea, vomiting, diarrhea. General tenseness and muscular weakness. May cause irritation to the skin and eyes.

Effects of Chronic Exposure: Excessive exposure may cause liver and kidney damage.

Other Health Effects: Contact with eyes may cause severe irritation with corneal injury

SECTION 7 - FIRST AID PROCEDURES

Inhalation: Move victim to fresh air and restore breathing if required. Obtain medical advice if symptoms persist.

Skin Contact: Flush skin with running water and thoroughly wash with soap and water. If irritation persists seek medical attention.

Ingestion: Give 1 to 2 glasses (200 to 500 ml) of water to dilute material. DO NOT induce vomiting unless directed to by a medical physician or Poison Control Centre. If spontaneous vomiting occurs, lean victim forward with head down to avoid breathing of vomitus. OBTAIN MEDICAL ADVICE.

Eye Contact: Flush eyes with running water for 20 minutes. Hold eyelids open during flushing. If irritation persists seek Medical Attention.

SECTION 8 - PREVENTIVE MEASURES

Respiratory Protection: NIOSH/MSHA approved respirator, if required.

Eye Protection: Chemical goggles

Skin Protection: Chemical resistant gloves.

Other Personal Protective Equipment: Coveralls.

Engineering Controls: None required.

Handling Procedures and Equipment: Avoid breathing vapours, contact with eyes, skin and clothing. Wash thoroughly after use.

Storage Requirements: Store in cool, dry, ventilated area. Keep out of reach of children and pets.

Storage Temperature: Min: 5 °C Max: 40 °C

SECTION 9 - ENVIRONMENTAL PROTECTION DATA

Spill and Leak Procedures: Stop leak, contain spill by diking and absorb with suitable absorbent and transfer into waste container for disposal. Clean area with detergent and water, absorb wash and place in waste container. Remove any contaminated soil for proper disposal.

Waste Disposal: Dispose of empty container in household garbage. Dispose of waste product in accordance with Local, Provincial or Federal government regulations.

Environmental Effects: Do not contaminate local water supplies or environments.

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Prepared by: Mr. M. Sas, Technical Department

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