

MATERIAL SAFETY DATA SHEET**MCPE Phenoxy Herbicide**

MANUFACTURER: Winfield Solutions, LLC

ADDRESS: P.O. BOX 64589 ST PAUL, MN 55164-0589

**IN CASE OF EMERGENCY CALL CHEMREC, 24 Hours: 1-800-424-9300
FOR MEDICAL EMERGENCY CALL: 1-877-424-7452****SECTION I - HAZARDOUS INGREDIENTS IDENTITY AND INFORMATION**

HAZARDOUS COMPONENT	OSHA	ACGIH	CAS#
<u>%</u>			
Dow Industrial Hygiene Guide	PEL	TLV	
2-Methyl-4-Chlorophenoxyacetic acid, isoctyl esters	5 mg/m ³ (acid form)	26544-20-7	68.7%
Petroleum Hydrocarbons	5 mg/m ³ TWA		19.6%
Proprietary Surfactants			5.0%
Inert ingredients			6.7%

SECTION II -- PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: < 300 ⁰ F	SP. GR. (H ₂ O): 1.13
VAPOR PRESSURE (mm Hg): 31 mm @ 100 ⁰ F	MELTING POINT: NA
VAPOR DENSITY: Less than 0.1	EVAPORATION RATE: Slower than butyl acetate
SOLUBILITY IN WATER: Emulsifiable)	

APPEARANCE AND ODOR: Amber liquid with slight phenolic odor

SECTION III -- FIRE AND EXPLOSION HAZARD DATAFLASH POINT: 110⁰ F PM. FLAMMABLE LIMITS : Not determined.

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam, water fog.

SPECIAL FIREFIGHTING PROCEDURES: Use self-contained breathing apparatus and full protective gear in confined areas or buildings.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Use water to keep fire-exposed containers cool. DO NOT USE WATER TO EXTINGUISH FIRE unless unavoidable to prevent spreading of material.**SECTION IX -- REACTIVITY DATA - STABILITY:**

UNSTABLE CONDITIONS TO AVOID:

STABLE CONDITIONS TO AVOID: Avoid exposure to heat or flame.

INCOMPATIBILITY (MATERIALS TO AVOID) : Acid, base, oxidizing materials.

HAZARDOUS DECOMPOSITION OR BY PRODUCTS: Noxious fumes (HCL) under fire conditions .

HAZARDOUS POLYMERIZATION:

MAY OCCUR CONDITIONS TO AVOID:

WILL NOT OCCUR CONDITIONS TO AVOID:

SECTION V -- HEALTH HAZARD DATA

ROUTES OF ENTRY: Ingestion, dermal, inhalation

HEALTH HAZARDS: EYES: Slight irritation. SKIN: Slight irritation, may burn skin. INGESTION: Harmful if swallowed, may cause gastrointestinal irritation. INHALATION: Slight irritation, but not hazardous. SIGNS AND SYMPTOMS OF EXPOSURE: Nausea, vomiting, abdominal cramps, diarrhea MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NDAEMERGENCY AND FIRST AID PROCEDURES: EYES: Irrigate with water for at least 15 minutes. SKIN: Wash with soap and water for 15 minutes, wash contaminated clothing separately. INHALATION: Move victim to fresh air, apply artificial respiration if breathing has stopped. INGESTION: Do not induce vomiting. Give large amounts of water or milk. IN ALL INSTANCES seek medical attention .**SECTION VI -- PRECAUTIONS FOR SAFE HANDLING AND USE**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb with inert material such as sand, clay, kitty litter, or sawdust. Large spills should be contained. WASTE DISPOSAL METHOD: If wastes cannot be disposed of according to label instructions contact your State Pesticide or Environmental Control Agency or the hazardous waste representative at the nearest EPA for guidance.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Read label completely. Avoid contact with skin or eyes. Avoid breathing mist. Keep out of reach of children. Store away from fertilizers, food, seeds, and insecticides.

OTHER PRECAUTIONS: Wash contaminated clothing separately before reuse.

SECTION VI I - CONTROL MEASURES - PROCESS AREAS

RESPIRATORY PROTECTION : Not normally required during use

VENTILATION: Local exhaust required.

PROTECTIVE GLOVES: Required EYE PROTECTION: Safety glasses or goggles.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Long sleeved shirt and/or coveralls

WORK/HYGIENIC PRACTICES: Wash thoroughly after and before eating or smoking. Do not smoke or eat in work area.

SECTION VIII -- REGULATORY COMPLIANCE

THE FOLLOWING INFORMATION MAY BE USEFUL IN COMPLYING WITH VARIOUS STATE AND FEDERAL ENVIRONMENTAL STATUTES :

REPORTABLE QUANTITY (RQ) , EPA REGULATION 40 CFR 302 (CERLA Section 102) CHEMICAL - NA CAS # RQ

THRESHOLD PLANNING QUANTITY (TPQ) , EPA REGULATION 40 CFR 355 (SARA Sections 301-304): CHEMICAL - NA CAS # TPQ

TOXIC CHEMICAL RELEASE REPORTING, EPA REGULATION 40 CFR 372 (SARA Section 313) :

CHEMICAL - NA CAS # % BY WEIGHT IN PRODUCT

HAZARDOUS CHEMICAL REPORTING, EPA REGULATION 40 CFR 370 (SARA Section 311-312):

CHEMICAL - 2-Methyl-4-chlorophenoxyacetic acid CAS# 26554-20-7

EPA HAZARD CLASSIFICATION CODE:

ACUTE HAZARD	CHRONIC HAZARD	FIRE HAZARD	PRESSURE HAZARD	REACTIVE HAZARD	NOT APPLICABLE
XX	XX	XX			

HAZARD RATING : NFPA

2 FIRE 2 TOXICITY 0 REACTIVITY 0 CORROSIVENESS

HAZARD RATING CODE: 0=None 1=Slight 2=Moderate 3=High U=Unknown

SECTION IX -- TRANSPORTATION INFORMATION

For further information relative to spills resulting from transportation incidents, refer to latest Department of Transportation Emergency Response Guidebook for Hazardous Material Incidents. DOT P 5800.5.

DOT IDENTIFICATION: RQ :

4x1 gallon , 2x2-1/2 gallons and 30 gallons

Not regulated-Freight description: NA

Compound, weed killing, non-regulated.

Mini-bulk and bulk over 119 gallons

Combustible liquid, N.O.S., (Contains Fuel Oil), Combustible liquid, NA 1993, PG III

LABELING AND PLACARD REQUIREMENTS OVER 119 GALLONS:

WORDED: COMBUSTIBLE NUMERIC: 1993

OSHA REQUIRED LABEL INFORMATION: In compliance with hazard and right-to-know requirements, the following OSHA Hazard warnings should be found on a label, bill of lading or invoice accompanying this shipment. NONE

NOTE: Product label will contain additional non-OSHA related information.

DATE: September 14, 2007 SUPERSEDES:

Revision:

The information herein was given in good faith but no warranty, expressed or implied was made. Consult Winfield Solutions, LLC for further information.

NA = NOT APPLICABLE NDA = NO DATA AVAILABLE