



Material Safety Data Sheet

FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL:
CHEMTREC 1-800-424-9300

<u>Section 1—Chemical Product and Company Identification</u>		
Product Name:	MCPE Phenoxy Herbicide	EPA Reg. No.: 1381-98
Common Name:	Phenoxy herbicide	
Chemical Description:	2 Methyl-4-Chlorophenoxyacetic acid, isooctyl esters	
Manufacturer's Name: WINFIELD SOLUTIONS, LLC P. O. Box 64589 St. Paul, MN 55164-0589	Medical Emergency Telephone Number: 1-877-424-7452 MSDS Creation Date: 09/28/2017	

<u>Section 2—Hazards Identification</u>
Emergency Overview: Amber liquid with slight phenoxy odor. Product may cause oxygen deficiency in confined spaces; follow all OSHA regulations pertaining to confined space entry. See health effects below. CAUTION: Keep out of reach of children. Route(s) of Entry: Eyes, Inhalation, Skin, and Ingestion.
Health Hazards (Acute and Chronic): Inhalation: Inhalation of mist may cause irritation of the upper respiratory tract. Eyes: May cause slight irritation of eyes. Skin: Contact may cause irritation. Prolonged or repeated exposure may lead to reddening of skin, rash, dermatitis, burning or other skin reactions. Ingestion: Harmful if swallowed.
Medical Conditions Generally Aggravated by Exposure: None known. Preexisting respiratory conditions may be aggravated by exposure to mists.

<u>Section 3—Composition Information on Ingredients</u>		
Ingredient	% (wt)	CAS reg. #
2 Methyl-4-Chlorophenoxyacetic acid, isooctyl esters	68.7%	26544-20-7
2-ethyl hexanol	1.25 – 2.25%	104-76-7
Other Ingredients*	<30.0%	N/A

*Ingredients not specifically listed are non-hazardous and considered to be confidential business information.

NFPA HAZARD RATING:			
0	Least		
1	Slight	2	Health
2	Moderate	1	Flammability
3	High	0	Reactivity
4	Severe		

Section 4—First Aid Measures

Inhalation:	Remove person to fresh air and assist breathing as needed. Seek medical attention if irritation persists.
Ingestion:	Seek medical attention or call a poison control center immediately.
Eyes:	Flush with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. Seek medical attention if eye irritation persists.
Skin:	Remove contaminated clothing and wash before re-using. Flush skin with water, and then wash with soap and water. Seek medical attention if skin becomes irritated.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 5—Fire and Explosion Hazard Data

Extinguishing Media: Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and full bunker gear. Smoke and fumes from fire may contain hazardous components.
Hazardous Combustion Products: Toxic gases may be formed in a fire situation. Carbon monoxide and other asphyxiates may form as well.
Unusual Fire and Explosion Hazards: Closed containers may explode from vapor expansion in high heat. Contain run-off by diking to prevent contamination of water supplies. DO NOT USE WATER JET TO EXTINGUISH FIRE unless unavoidable to prevent spreading of material.

Section 6—Accidental Release Measures

Small Spills: Clean-up personnel should protect against mist inhalation and skin contact. Avoid generating mists. Spills should be cleaned up immediately to prevent spreading. See Section 8 for personal protective equipment to be worn during clean up.
Large Spills: Clean-up personnel should protect against mist inhalation and skin contact. Avoid generating mists. See Section 8 for personal protective equipment to be worn during clean up.
Containment: Do not release into sewers or waterways. Dike spills to prevent contamination to water supplies. Contain spills and absorb liquids by covering with clay or other absorbent material. Vacuum, scoop, or sweep up material and place in a container for disposal.

Section 7—Precautions for Safe Handling and Use

Precautions to Be Taken in Handling and Storage: Store in cool, dry areas away from children, feed and food products and sources of heat. Immediately clean up spills that occur during handling or storage. Protect from freezing. Keep containers closed when not in use.
Other Precautions: Consult local, state, and Federal regulations pertaining to storage and disposal.

Section 8—Control Measures/Personal Protection

Exposure Guidelines: 2 Methyl-4-Chlorophenoxyacetic acid, isooctyl esters: OSHA PEL = 5 mg/m³ (acid form)
Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a properly FIT TESTED MSHA/NIOSH-approved respirator.
Ventilation: **Local Exhaust:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs. Local exhaust ventilation is preferred.
THE PERSONAL PROTECTIVE EQUIPMENT (PPE) LISTED IN THIS SECTION IS FOR MANUFACTURING, COMMERCIAL BLENDING AND PACKAGING WORKERS. APPLICATORS AND HANDLERS SHOULD REFER TO THE PESTICIDE PRODUCT LABEL FOR PROPER PERSONAL PROTECTIVE EQUIPMENT AND CLOTHING.
Protective Gloves: Wear chemically protective gloves.
Eye Protection: Wear protective eyeglasses with a face shield or chemical safety goggles. Contact lenses are not eye protective devices.
Other Protective Clothing or Equipment: Wear chemically protective boots, aprons, and gauntlets to prevent prolonged or repeated skin contact.
Work/Hygienic Practices: Never eat, drink, nor smoke in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9—Physical/Chemical Characteristics

Physical State:	Liquid	Specific Gravity (H ₂ O=1):	0.997
Vapor Pressure (mm Hg):	Not determined	Freezing Point:	Not determined
Vapor Density (Air=1):	Not determined	Boiling Point:	Not determined
Solubility in Water (wt %):	Not determined	pH:	4.5
Appearance and odor:	Amber colored liquid with slight phenolic odor	Flash Point:	>200°F

Section 10—Reactivity Data

Stability: Product stable at room temperature in closed containers under normal storage and handling conditions.
Chemical Incompatibilities: Strong bases and acids.
Conditions to Avoid: Avoid excessive heat.
Hazardous Decomposition Products: Oxides of sulfur, nitrogen, and other chemicals may be formed in a fire situation. Carbon monoxide and other asphyxiates may form as well.
Hazardous Polymerization: Will not occur

Section 11—Toxicological Information

Toxicity results presented below are for the technical material MCPA Ester (2 Methyl-4-Chlorophenoxyacetic acid, isooctyl esters).

Eye Effects: No lasting eye irritation
Skin Effects: LD50 >2000 mg/kg (rabbit)
Acute Inhalation Effects: LC50 >1.9 mg/L
Acute Oral Effects: LD50 = 1793 mg/kg (rat)
Chronic Effects: Not determined
Mutagenicity: Not determined
Teratogenicity: Not determined

Carcinogenicity: NTP: Not available IARC: Not available OSHA: Not Available

Section 12—Ecological Information

Soil Absorption/Mobility: Mobile in soil profile.

Section 13—Disposal Considerations

Waste: Dispose of in accordance with applicable Federal, state and local laws and regulations.
Container: Triple rinse (or equivalent) the empty containers. Then offer for recycling or reconditioning. See pesticide product label for full container disposal requirements.
RCRA characteristics: It is the responsibility of the individual disposing of this product to determine the RCRA characteristics and hazards of the waste.

Section 14—Transport Information

Not regulated by the US DOT as a hazardous material.

Section 15—Regulatory Information

TSCA Inventory: This product is exempt from TSCA inventory requirements as it is intended solely for FIFRA regulated use.

SARA Title III, Section 302: None listed

SARA Title III, Section 311/312:	Immediate:	Yes	Delayed:	No
Sudden Release of Pressure:	Fire:	No	Reactive:	No

SARA Title III, Section 313: None listed

CERCLA: None listed

PROPOSITION 65: WARNING: This product may contain chemicals known to the State of California to cause cancer and birth defects or reproductive harm.

Section 16—Other

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