


### Safety Data Sheet

NFPA HAZARD RATING				U.S. TRANSPORT SUMMARY	
0	Least				Not regulated by the U.S. Department of Transportation as a hazardous material for ground shipment; see Section 14 for full information.
1	Slight	3	Health		
2	Moderate	1	Flammability		
3	High	0	Reactivity		
4	Severe				

SECTION 1: IDENTIFICATION	
<b>Product Name:</b> MCPA Amine <b>EPA Registration #:</b> 1381-104 <b>Product ID/Unity #:</b> <b>Common Name:</b> Phenoxy Herbicide <b>Chemical Description:</b> Dimethyl amine salt of 2-Methyl-4-chlorophenoxyacetic acid (MCPA) <b>Recommended Uses:</b> Agricultural Herbicide. See product label for complete list of uses and use sites. <b>Restrictions for Use:</b> See product label for information regarding restrictions on the use of this product.	<b>MEDICAL EMERGENCY TELEPHONE NUMBER:</b> 1-877-424-7452 (24hrs)  <b>Non-Emergency Business Inquiries:</b> 1-855-494-6343 Mon – Fri 8am – 5pm (Central Standard Time)
<b>Manufactured For:</b> <b>WINFIELD SOLUTIONS, LLC</b> P. O. Box 64589 St. Paul, MN 55164-0589	
<b>FOR EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT, CALL:</b> <b>CHEMTREC 1-800-424-9300 (24 hours)</b>	

SECTION 2: HAZARDS IDENTIFICATION	
<b>OSHA HCS 2012 CLASSIFICATION:</b> This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200). Eye Irritation Category 1; Acute Oral Toxicity Category 4; Acute Inhalation Category 4; Skin Sensitization Category 1B	
<b>SIGNAL WORD:</b> DANGER  <b>HAZARD STATEMENTS:</b> Causes serious eye damage. Harmful if swallowed or inhaled. May cause an allergic skin reaction.	<b>EMERGENCY OVERVIEW</b> 
<b>Appearance:</b> Transparent light amber	<b>Physical State:</b> Liquid
<b>Odor:</b> Amine-like odor.	
<b>PRECAUTIONARY STATEMENTS:</b>	
<b>Prevention:</b> Wear eye and face protection. Wear protective gloves. Avoid breathing mist, vapors or spray. Use only outdoors or in a well ventilated area. Contaminated work clothing must not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Wash thoroughly with plenty of soap and water after handling.	
<b>Response:</b>	
<b>If in eyes:</b> Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center (1-877-424-7452) or doctor.	
<b>If on skin:</b> Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse.	
<b>If Swallowed:</b> Call a poison control center (1-877-424-7452) or doctor for treatment advice. Rinse mouth.	
<b>If Inhaled:</b> Remove person to fresh air and keep comfortable for breathing. Call a poison center (1-877-424-7452) or doctor if you feel unwell.	
<b>Storage:</b> See Section 7 for storage information.	
<b>Disposal:</b> Dispose of contents/container in accordance with Federal, state and local regulations.	

# MCPA AMINE

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	% (wt)	CAS Reg. #
Dimethyl amine salt of 2-Methyl-4-chlorophenoxyacetic acid	48.72%	2039-46-5
Other Ingredients	51.28%	*

\*Ingredients not specifically listed are non-hazardous and/or are considered to be confidential business information under 29 CFR 1910.1200(i).  
See Section 8 for exposure limits.

## SECTION 4: FIRST AID MEASURES

<b>Inhalation:</b>	Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.
<b>Ingestion:</b>	Seek medical attention or call a poison control center immediately for treatment advice. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>Eyes:</b>	Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention immediately.
<b>Skin:</b>	Remove contaminated clothing and wash separately before re-using. Flush skin with water for 15 – 20 minutes. Seek medical attention if irritation persists.
<b>Note to physicians:</b>	Probable mucosal damage may contraindicate the use of gastric lavage.

## SECTION 5: FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b> Water spray, foam, dry chemical, carbon dioxide (CO <sub>2</sub> )
<b>Unsuitable Extinguishing Media:</b> Do not use straight streams.
<b>Special Fire Fighting Procedures:</b> Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Avoid breathing vapors; keep upwind.
<b>Hazardous Combustion Products:</b> May produce toxic gases such as hydrogen chloride, other chlorine compounds, nitrogen oxides and carbon oxides.
<b>Unusual Fire and Explosion Hazards:</b> If product is heated above decomposition temperature, vapors will be released. Containers will burst from internal pressure under extreme fire conditions.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b> Refer to Section 8 for personal protective equipment to be worn during containment and clean-up of a spill involving this product.
<b>Environmental Precautions:</b> Keep spilled product from entering sewers or waterways.
<b>Methods for Containment:</b> Contain spilled product by diking area with sand or earth.
<b>Methods for Clean-up:</b> Cover contained spill with an inert absorbent material such as sand, vermiculite or other appropriate material. Vacuum, scoop, or sweep up material and place in a container for disposal. Do not place spilled material back in original container.
<b>Other Information:</b> None known

## SECTION 7: HANDLING AND STORAGE

<b>Handling:</b> RECOMMENDATIONS ARE FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS. PESTICIDE APPLICATORS AND WORKERS must refer to the pesticide product label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Ensure adequate ventilation. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Do not open container until ready to use. Once container is opened, contents should be used as soon as possible.
<b>Storage:</b> Store in secured, cool, dry areas designated specifically for pesticides, away from children, feed and food products and sources of heat. Keep containers closed when not in use. Protect contents from the effects of light. Protect against heat. Protect from air. See pesticide product label for additional storage information.

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Minimum Storage Temperature: Not determined

Other Precautions: Consult Federal, state and local laws and regulations pertaining to storage.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Component:	OSHA PEL	ACGIH TLV	NIOSH REL
No components have established limits			

**Engineering Controls:** **Local Exhaust:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.

**Skin Protection:** Wear chemical resistant gloves, long sleeve shirt, long pants and chemical resistant shoes plus socks to prevent skin exposure. For overhead exposure wear chemical-resistant headgear. An emergency shower or water supply should be readily accessible to the work area.

**Eye Protection:** Wear chemical goggles or safety glasses and full-face shield. Contact lenses are not eye protective devices. An emergency eyewash or water supply should be readily accessible to the work area.

**Respiratory Protection:** Not normally required. If vapors or mists exceed acceptable levels or if irritation occurs, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

**NOTE TO END USERS:** PERSONAL PROTECTIVE EQUIPMENT (PPE) AND CLOTHING 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 (PPE) AND CLOTHING.

**Work/Hygienic Practices:** Never eat, drink, nor use tobacco in work areas. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.09 -1.13
<b>Vapor Pressure (mm Hg):</b>	Not determined	<b>Density (lbs/gallon):</b>	9.1 – 9.4 lbs/gallon
<b>Vapor Density (Air=1):</b>	Not determined	<b>Melting Point/Freezing Point:</b>	Not determined
<b>Solubility in Water (wt %):</b>	Not determined	<b>Boiling Point/Range:</b>	Not determined
<b>Viscosity:</b>	Not determined	<b>pH:</b>	8.0 – 9.0
<b>Appearance and odor:</b>	Transparent light amber liquid with an amine-like odor.	<b>Flash Point:</b>	Non-flammable

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** None known

**Chemical Stability:** Product is stable at ambient temperature and pressure, under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** Will not occur

**Conditions to Avoid:** Excessive heat. Do not store near heat or flame.

**Incompatible Materials:** Strong bases, strong acids, and strong oxidizing agents

**Hazardous Decomposition Products:** May produce toxic gases such as hydrogen chloride, other chlorine compounds, nitrogen oxides and carbon oxides.

## SECTION 11: TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY (Data from similar but not identical formulation)

**Eye Effects:** Severely irritating, corrosive. May causes irreversible eye damage.

**Skin Effects:** Slightly irritating to skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. The LD<sub>50</sub> for dermal absorption in rabbits is >2,000 mg/kg.

**Acute Inhalation Effects:** Harmful if inhaled. May be irritating to the respiratory track. The 4-hour LC<sub>50</sub> in rats is >2.25 mg/L.

**Acute Oral Effects:** Harmful if swallowed. The LD<sub>50</sub> in rats is >1,250 mg/kg.

Percent of product with unknown acute toxicity: 0%

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### SUBCHRONIC/CHRONIC HEALTH EFFECTS (Data on MCPA)

<b>Subchronic (Target Organ) Effects:</b>	Repeated overexposure may cause effects to liver, kidneys, blood chemistry, testes and gross motor function. Rare cases of peripheral nerve damage have been reported, but extensive animal studies have failed to substantiate these observations, even at high doses of MCPA for prolonged periods.
<b>Carcinogenicity:</b>	<p>This product contains a substance that is considered to be probable or suspected human carcinogens as follows:</p> <p><b>NTP:</b> Not Listed <b>IARC:</b> 2B Chlorophenoxy Herbicides (MCPA) <b>OSHA:</b> Not listed <b>ACGIH:</b> Not listed</p> <p>The International Agency for Research on Cancer (IARC) lists exposure to chlorophenoxy herbicides as a class 2B carcinogen, the category for limited evidence for carcinogenicity in humans. However, newer rat and mouse lifetime feeding studies did not show carcinogenic potential for MCPA.</p>
<b>Reproductive Toxicity:</b>	MCPA studies in laboratory animals have shown testicular effects and lower male fertility.
<b>Developmental Toxicity:</b>	MCPA studies in laboratory animals have shown decreased fetal body weights and delayed development in the offspring at doses toxic to the mother.
<b>Genotoxicity:</b>	There have been some positive and some negative studies, but the weight of evidence is that MCPA is not mutagenic.

### SECTION 12: ECOLOGICAL INFORMATION

**ENVIRONMENTAL SUMMARY:** This product is toxic to fish, aquatic invertebrates and aquatic plants. This product contains chemicals that have properties and characteristics associated with chemicals detected in groundwater.

#### ECOTOXICITY DATA:

Not determined.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste:** Dispose of in accordance with applicable Federal, state and local laws and regulations.

**Container:** Triple rinse and recycle the container or dispose of in accordance with Federal, state and local laws and regulations.

**See pesticide product label for full instructions on disposal.**

**RCRA Characteristics:** It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

### SECTION 14: TRANSPORT INFORMATION

**DOT:**  
**(Ground)** This product is not regulated by the U.S. DOT as a hazardous material for ground shipment.

**IMDG:**  
**(Sea)** Not determined

**IATA:**  
**(Air)** Not determined

**TDG:**  
**(Canada)** Not determined

### SECTION 15: REGULATORY INFORMATION

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

#### **SARA Title III Information:**

**Section 302 - Extremely hazardous substances:** None listed

**Section 311/312 - Hazard Categories:** Immediate (Acute) Health

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**Section 313** – The following chemicals are subject to the reporting requirements of Section 313 of Title III, Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372:

None known.

**CERCLA** - This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA):

None listed

**EPA Registration Information:** This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**DANGER:** Corrosive. Causes irreversible eye damage. Wear protective eyewear (goggles, face shield, safety glasses). Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or clothing. Avoid contact with skin or clothing. Avoid breathing spray mist. Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals.

**State Information: California Proposition 65:** This product does not contain any chemicals known to the state of California to cause cancer and/or reproductive harm.

Other state regulations may apply. Check individual state requirements.

### SECTION 16: OTHER

**Disclaimer:** The information presented herein is based on available data from reliable sources and is correct to the best of WinField Solutions' knowledge. WinField Solutions, LLC makes no warranty, express nor implied, regarding the accuracy of the data or the results obtained from the use of this product. Nothing herein may be construed as recommending any practice or any product in violation of any law or regulations. The user is solely responsible for determining the suitability of any material or product for a specific purpose and for adopting any appropriate safety precautions. We disclaim all liability for injury or damage stemming from any improper use of the material or product described herein.

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