

# Riverdale

425 West 194th Street  
Glenwood IL 60425

Emergency Phone (CHEMTREC): (800) 424-9300

Information Phone: (800) 345-3330

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Product Code: N192R

MSDS Number: 192

MATERIAL SAFETY DATA SHEET:

## MCPPP-4 Amine

### 1. INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS #</u>	<u>Weight %</u>	<u>Common Name</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Dimethylamine Salt of 2-(2-Methyl-4-Chlorophenoxy) propionic Acid Water and Sequesterents	32351-70-5 N/A	51.90% 48.10%	DMA Salt of MCPPP Inert Ingredients	N/A N/A	N/A N/A
	<b>Total</b>	<b>100.00%</b>			

### 2. HEALTH DATA

#### PRIMARY ROUTE OF ENTRY:

**Dermal/ Eye:** Yes      **Oral:** Yes      **Inhalation:** No

#### SYMPTOMS OF OVEREXPOSURE:

Nonspecific: muscle weakness, lethargy, loss of appetite, abdominal pains, headache, or shortness of breath.

#### ACUTE HEALTH EFFECTS

##### Inhalation:

Avoid inhaling vapors or mist. May irritate the respiratory tract or cause dizziness.

##### Eyes:

Direct and prolonged eye exposure to the concentrated product may cause corneal opacity, irreversible eye damage.

##### Skin:

This product is considered a minimal skin irritant and is not a dermal sensitizer. Harmful if absorbed through the skin. Repeated or prolonged exposure may cause effects similar to those caused by ingestion.

##### Ingestion:

May cause muscle weakness, nausea, diarrhea, and abdominal pain. Fall in blood pressure or myotonia (prolonged muscular spasm) may occur under extreme exposure conditions. Can be fatal.

#### TOXICOLOGICAL DATA

##### Acute Oral LD50:

0.885 mg/ kg (rats)

##### Acute Dermal LD50:

> 2.0 g/ kg (rabbits)

##### Acute Inhalation LC50:

> 4.0 mg/ l (rabbits)

##### Eye Irritation:

severe irritation, irreversible damage (rabbits)

##### Dermal Irritation:

slight irritation (rabbits)

##### Dermal Sensitization:

not a sensitizer (guinea pigs)

#### MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE:

Skin exposure may aggravate existing skin conditions. Exposure to mist may aggravate existing respiratory conditions.

**CHRONIC HEALTH EFFECTS:**

Agency Listing Carcinogen

NTP      IARC      OSHA

No          No          No

Repeated or prolonged overexposure to phenoxy herbicides may cause liver, kidney, gastrointestinal or muscular system effects. Other chronic effects of MCPP, however, have not been determined.

**3. FIRST AID MEASURES**

<b>EYE CONTACT:</b>	Hold eyelids open and flush entire eye with a steady, gentle stream of water for 15 minutes. Get medical attention at once.
<b>INHALATION:</b>	Remove victim to fresh air. If not breathing, give artificial respiration preferably mouth to mouth. Get medical attention.
<b>INGESTION:</b>	Call a physician or Poison Control Center. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites or gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol. Do not induce vomiting or give anything by mouth to an unconscious person.
<b>SKIN CONTACT:</b>	Wash affected area with soap and water. If irritation persists, get medical attention.
<b>NOTE TO PHYSICIAN:</b>	Probable mucosal damage may contraindicate gastric lavage. If large amounts of the product were ingested, the stomach should be emptied by gastric intubation.

**4. FIRE FIGHTING MEASURES**

<b>FLASH POINT ( F):</b>	N/A
<b>FLASH POINT METHOD USED:</b>	None- aqueous solution
<b>EXTINGUISHING MEDIA:</b>	Use CO2 or dry chemical for small fires and foam, water fog, or water stream for large fires. Use water spray to cool closed containers.
<b>COMBUSTION PRODUCTS:</b>	May include, but are not limited to: hydrogen chloride and nitrogen oxides.
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b>	May produce toxic and noxious fumes under extreme fire conditions. Use positive pressure self-contained breathing apparatus and acid resistant protective clothing. Any water used to extinguish the fire should be contained by diking to prevent contamination of the public water system.
<b>UNUSUAL FIRE &amp; EXPLOSION HAZARDS:</b>	Drums of product will burst from steam pressure under prolonged fire conditions. See Section 13, REGULATORY INFORMATION, for NFPA ratings.

## 5. ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:

When cleaning large spills, wear the suggested safety equipment (see section 7). Surround with impervious material such as dirt or sand to prevent run-off. Absorb product with an inert absorbent such as granules or sand. Contain all affected material in a closed, labeled container for proper disposal. Treat contaminated areas with detergent and water.

## 6. HANDLING AND STORAGE

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Always use original container to store pesticides in a secured warehouse or storage building. Do not store near seeds, fertilizers, insecticides, or fungicides. Store at temperatures above 32 F. If allowed to freeze, remix before using. Freezing does not alter this product. Containers should be opened in well ventilated areas. Keep container tightly sealed when not in use. Do not contaminate water, food, or feed by storage or disposal.

### WORK HYGIENIC PRACTICE:

Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

## 7. EXPOSURE CONTROL/PERSONAL PROTECTION

### RESPIRATORY PROTECTION:

Respiratory protection is not normally required. Use a NIOSH/MSHA approved respirator when directly exposed to mist.

### VENTILATION:

Open ventilation. Reduce all mist with local exhaust.

### PROTECTIVE GLOVES:

Rubber or chemical-resistant gloves

### EYE PROTECTION:

Wear splash goggles or face shield when mixing, loading or applying.

### OTHER PROTECTIVE EQUIPMENT:

Long sleeved shirt, long pants and shoes are suggested.

## 8. PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE AND ODOR:

Dark amber liquid, mild amine odor

### SOLUBILITY IN WATER:

100% in water

### BOILING POINT ( F ):

214

### VAPOR PRESSURE (mm Hg @ 20 C):

N/D

### SPECIFIC GRAVITY (H20 = 1):

1.111

### pH:

7.5 - 8.5

### FREEZING POINT ( F ):

32

### POUNDS PER GALLON:

9.25

## 9. STABILITY AND REACTIVITY

### STABILITY:

Stable

### CONDITIONS TO AVOID:

Avoid heat conditions

### INCOMPATIBILITY:

Strong oxidizers or acids

### HAZARDOUS BYPRODUCTS:

None

**HAZARDOUS POLYMERIZATION:**

Will Not Occur

## 10. ECOLOGICAL INFORMATION

**ENVIRONMENTAL FATE:**

MCPD has a relatively short field half-life of 5-17 days (on average), and is biodegraded by soil microbes and aquatic microorganisms.

## 11. DISPOSAL CONSIDERATIONS

**PRODUCT DISPOSAL:**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law. If this product cannot be disposed of by use according to the label, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office.

**CONTAINER DISPOSAL:**

Triple rinse (or equivalent), adding rinsate to spray tank. Then offer for recycling, or puncture and dispose of in a sanitary landfill. Plastic containers are also disposable by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

## 12. TRANSPORTATION INFORMATION

**DOT REGULATED CONTAINER SIZE:**

N/A

**PROPER SHIPPING NAME:**

Compound, Weed Killing, Liquid, Not DOT Regulated

## 13. REGULATORY INFORMATION

**SARA TITLE III; Section 311/312:**

An immediate and delayed health hazard.

**REPORTABLE QUANTITY (RQ):**

N/A

**SARA TITLE III; Section 313- This product contains the following substances subject to the reporting requirements of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:**

N/A

HMIS INFORMATION	
<b>HEALTH:</b>	<b>2</b>
<b>FLAMMABILITY:</b>	<b>1</b>
<b>REACTIVITY:</b>	<b>0</b>
<b>PROTECTIVE:</b>	<b>D</b>

NFPA INFORMATION	
<b>TOXICITY:</b>	<b>2</b>
<b>FIRE:</b>	<b>1</b>
<b>REACTIVITY:</b>	<b>0</b>
<b>SPECIAL:</b>	<b>N</b>

The information given herein is to the best of our knowledge true and accurate. No warranty, however, expressed or implied, is made.