

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-93/93-65-2.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
93-65-2

**Code:**  
M

**RTECS:**  
UE9750000

**Code:**  
M

**Name:**  
2-(2-METHYL-4-CHLOROPHENOXY) PROPIONIC ACID, MCPP

**Other REC Limits:**  
N/K

**OSHA PEL:**  
N/K

**Code:**  
M

**OSHA STEL:**

**Code:**  
2

**ACGIH TLV:**  
N/K

**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
IF EXPOSURE LIMITS MAY BE EXCEEDED, USE A NIOSH/MSHA APPROVED RESPIRATOR FOR DUSTS & MISTS (TC-21C) OR AN ORGANIC CARTRIDGE RESPIRATOR (NIOSH/MSHA TC23C).

**Ventilation:**  
GOOD LOCAL VENTILATION: RECOMMENDED. MECHANICAL: USE IF EXPOSURE LIMITS ARE EXCEEDED.

**Protective Gloves:**  
CHEMICAL RESISTANT 5

**Eye Protection:**  
SAFETY GLASSES, GOGGLES, FACE SHIELD

**Other Protective Equipment:**  
Equipment LONG SLEEVES PANTS, CHEMICAL RESISTANT SHOES.

**Work Hygienic Practices:**  
REMOVE/LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

**Supplemental Safety and Health:**  
N/K

## Health Hazards Data

**LD50LC50Mixture:**  
ORAL LD50 (MALE RATS): >2240 MG/KG

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
YES

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
EYES: IRRITATION & BURNING. SKIN: IRRITATION, ABSORPTION. INHALATION: MUCOUS MEMBRANE IRRITATION. RESPIRATORY TRACT BURNING SENSATION W/COUGHING, DIZZINESS. INGESTION: CHEST & ABDOMEN PAIN, VOMITING, DIARRHEA, HEADACHE, MENTAL CONFUSION, BIZARRE BEHAVIOR ARE EARLY SYMPTOMS OF POISONING, PROGRESSING TO UNCONSCIOUSNESS.

**Explanation Of Carcinogenicity:**  
NONE

**Signs And Symptions Of Overexposure:**  
N/K

**Medical Cond Aggravated By Exposure:**  
CHRONIC SKIN DISEASE OR KNOWN SENSITIVITY TO CHLOROPHENOXY COMPOUNDS.

**First Aid:**  
EYES: FLUSH W/PLENTY OF CLEAN WATER FOR 10-15 MINS. SKIN: BATHE & SHAMPOO W/SOAP & WATER TO REMOVE CHEMICALS FROM SKIN & HAIR. INHALATION: REMOVE TO FRESH AIR. APPLY ARTIFICIAL RESPIRATION IF NEEDED. INGESTION: IF SUBSTANTIAL AMOUNTS HAS BEEN SWALLOWED, SPONTANEOUS EMESIS MAY OCCUR. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**  
DON'T TOUCH SPILLED MATERIAL. WEAR PROTECTIVE EQUIPMENT. CONTAIN & ABSORB SPILLED MATERIAL ON DRI-RITE, SAND OR OTHER NON-COMBUSTIBLE ABSORBENT. COLLECT INTO DRUMS, COVER & LABEL FOR DISPOSAL. FLUSH A REA W/WATER IF POSSIBLE.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
DISPOSE OF DOT DRUM, WASTE WATER & ANY OTHER WASTE ACCORDING TO STATE, LOCAL & FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
4 STORE IN ORIGINAL CONTAINER IN A LOCKED STORAGE AREA INACCESSIBLE TO CHILDREN OR PETS. DON'T STORE NEAR FEED/SEED/FOOD/HERBICIDES/PESTICIDES/FUNGICIDE

**Other Precautions:**  
KEEP FROM FREEZING. DON'T USE THIS PRODUCT IF SPRAY MAY DRIFT FROM THE TARGET AREA. DON'T CONTAMINATE WATER SUPPLIES. DON'T MIX W/ACIDIC MATERIALS, AS THIS WILL RUIN THE PRODUCT.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
145F

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
FOAM, CO2, DRY CHEMICAL, WATER

**Fire Fighting Procedures:**  
WEAR POSITIVE PRESSURE BREATHING APPARATUS & FULL PROTECTIVE CLOTHING. FIGHT FIRE FROM MAXIMUM DISTANCE. STAY UP WIND & OUT OF LOW AREAS.

**Unusual Fire/Explosion Hazard:**  
DOES NOT IGNITE READILY, BUT MAY BURN AT HIGH TEMPS. RUN-OFF FROM FIRE CONTROL AREA OR DILUTION WATER MAY CAUSE POLLUTION.

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
212F

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/K

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
<17

**Vapor Density:**  
>1

**Volatile Org Content %:**

**Spec Gravity:**  
1.122

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
BROWN LIQUID W/AN AMINE TYPE ODOR.

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
N/K 6

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
FREEZING

**Materials To Avoid:**  
ACIDIC MATERIALS

**Hazardous Decomposition Products:**  
GASES SUCH AS HYDROGEN CHLORIDE, ORGANO CHLORIDES, NITROGEN OXIDES CO.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/K

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P