

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

MCPA 400G/L SL

SUPPLIER NAME: Shandong Weifang Rainbow Chemical Co., Ltd.
SUPPLIER ADDRESS: Binhai Economic Development Area, Weifang, Shandong, China
SUPPLIER PHONE: +86-531-88875222, 88875231
SUPPLIER FAX: +86-531-88875232, 88875224
CHEMICAL NAME: (4-chloro-2 methylphenoxy) acetic acid
CAS NUMBER: 94-74-6
MOLECULAR FORMULA: C₉H₉ClO₃
MOLECULAR WEIGHT: 200.6
USE: Herbicide

2. COMPOSITION / INFORMATION ON INGREDIENTS

MCPA (as potassium salt): 400 g/L
Other ingredients Balance to 1L

3. HAZARDS IDENTIFICATION

Harmful if swallowed or inhaled. Maybe harmful in contact with skin.

4. FIRST AID MEASURES

INHALATION: Remove source of contamination, or move person to fresh air as rapidly as possible. Keep affected person warm and at rest. Treat symptomatically and supportively. Only qualified medical personnel should perform administration of oxygen. Get medical attention immediately if condition persists.

SKIN CONTACT: If irritation occurs, remove contaminated clothing, shoes and leather goods (e.g. watchbands and belts). Gently wipe off excess chemical. Wash skin gently and thoroughly with water and non-abrasive soap. Do not rub the skin. If irritation persists, seek medical advice immediately.

EYE CONTACT: Immediately flush eyes with gently flowing lukewarm water for at least 20 minutes or until the product is removed, holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Seek medical attention immediately.

INGESTION: Have patient rinse mouth thoroughly with water. Do not induce vomiting. If person is alert and conscious, give 2 to 3 glasses of water to drink. Seek medical attention immediately.

NOTES TO DOCTOR: No specific antidote.

5. FIRE FIGHTING MEASURES

FLASH POINT: No observed

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical powders, foam and water

FIRE AND EXPLOSION HAZARD: The material does not burn or burns with difficulty. It is not explosive. Should the chemical be involved in a general fire, ensure chemical protective clothing are used.

SAFETY DATA SHEET

6. ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL SPILL:

Keep spectators away. Isolate hazard area and deny entry. Stay upwind, out of low-lying areas, and ventilate closed spaces before entering. Cover spill with absorbent material. Sweep into disposal container. Wash area with detergent and water and follow with clean water rinse. Do not allow spill to contaminate water supplies. Dike far ahead of liquid spills for later disposal.

PERSONAL PRECAUTIONS:

Chemical protective clothing usage is advised, i.e. wear neoprene gloves, cotton overalls and safety goggles.

7. HANDLING AND STORAGE

HANDLING:

Handling in a well-ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

STORAGE:

Store in a dry, cool covered warehouse in well-labelled containers. Store away from food, feedstuffs, fertilisers, seed and agricultural chemicals. Keep away from children and animals. Local regulations should be complied with.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: Not established by OSHA.

EYE PROTECTION: Safety goggles.

RESPIRATORY PROTECTION: In case of insufficient ventilation, wear adequate respiratory protection.

HAND: Gloves of synthetic material.

SKIN AND BODY: Wear suitable protective clothing, e.g. cotton overalls.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Dark brownish red liquid

ODOR: Hydrocarbon odour

DENSITY: 1.18 g/cm³

FLASH POINT: 200 °C (Pensky Martins closed cup)

OXIDISING PROPERTIES: No oxidising properties.

EXPLOSIVE PROPERTIES: Not explosive

10. STABILITY AND REACTIVITY

STORAGE STABILITY:

Stable at elevated temperatures and at low temperatures. Do not store near crop protection chemicals, feed, fertilisers or seed. Do not store at temperatures below 0°C.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL LD₅₀: 1750 mg/kg

ACUTE DERMAL LD₅₀: >2500 mg/kg

INHALATION LC₅₀: >1.19 mg/L

SKIN IRRITATION: Slight irritant

EYES IRRITATION: Moderate irritation

SAFETY DATA SHEET

SKIN SENSITISATION: Not cause skin sensitization

12. ECOLOGICAL INFORMATION

Considered to be a marine pollutant. Toxic to fish.

BIRDS: Oral LD₅₀: bobwhite quail: 377 mg/kg

FISH: LC₅₀ (96 hours): rainbow trout: 232 mg/l

DAPHNIA MAGNA: LC₅₀: > 100 mg/l

BEES: LD₅₀: 0.104 mg/bee

13. DISPOSAL CONSIDERATIONS

CONTROLLED INCINERATION:

Stable under normal temperatures and pressures. Incineration at high temperatures (1000°C) with sufficient residence time leads to complete detoxification and destruction and is the most environmentally acceptable method for disposal.

PACKAGE PRODUCT WASTES:

Combustible containers should be disposed of in pesticide incinerators or in specified landfill sites.

Non-combustible containers must be triple rinsed with water, punctured and disposed of in specified landfill areas. Containers that are not to be reused should be punctured and transported to a facility for recycling or disposal in approved landfill site. Comply with any local legislation applying to disposal.

14. TRANSPORT INFORMATION

UN number:

3082

UN proper shipping name:

ENVIRONMENTALY HAZARDOUS SUBSTANCE, LIQUID, N. O. S.

Transport hazard class(es):

9

Packing group, if applicable:

III

15. REGULATORY INFORMATION

The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given.

Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and /or local laws.

16. OTHER INFORMATION

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.