

Version: 1.0 Issue date: Oct. 1, 2024

MATERIAL SAFETY DATA SHEET OF

MCPA 96% TC

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Product name: MCPA 96% TC

Supplier: Shanghai Bosman Industrial Co., Ltd

Street address: No. 1611, North Sichuan Road, Hongkou, Shanghai R.P. China

Tel: + 86 21 63065878

Fax: + 86 21 63065878

Recommended use: Herbicide

2. HAZARDS IDENTIFICATION

Physical hazards Not classified.

Health hazards Acute toxicity, oral Category 4
 Acute toxicity, dermal Category 4
 Acute toxicity, inhalation Category 4

Environmental hazards

Hazardous to the aquatic environment, acute hazard Category 1
Hazardous to the aquatic environment, long-term hazard Category 1

Label elements



Signal word Warning

Hazard statement Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled.
Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention Avoid breathing dust. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing.

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Response If swallowed: Call a poison center/doctor if you feel unwell. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Rinse mouth. Take off contaminated clothing and wash before reuse. Collect spillage.

Storage Store away from incompatible materials.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

3.COMPOSITION/INFORMATION ON INGREDIENTS

Formulation: Technical material (TC)

Other ingredients determined not to be hazardous

INGREDIENT	CAS NO	PROPORTION(% , w/w)
MCPA	94-74-6	96% min.
Other ingredients	--	Up to 100%

4. FIRST AID MEASURES

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Seek POISON CENTER or doctor/physician if you feel unwell.

If skin contact: Wash off with soap and water. Get medical advice/attention if you feel unwell. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.

If eye contact: Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

If ingestion: Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell.

Advice to Doctor: No specific antidote. Treat symptomatically.

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5. FIRE FIGHTING MEASURES

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Use water spray to cool unopened containers.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

6. ACCIDENT RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Minimize dust generation and accumulation. Avoid breathing dust. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated

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clothing before reuse. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Hand protection Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapor cartridge.

Respiratory protection Thermal hazards Wear appropriate thermal protective clothing, when necessary. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Powder

Color : Off-white

Odor : NA

pH : NA

Flash point: NA

Flammable: NA

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10. STABILITY AND REACTIVITY

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition Products No hazardous decomposition products are known.

11. TOXICOLOGICAL

Acute toxicity

Oral Acute oral LD50 for rats 962–1470 mg/kg. Skin and eye

Acute percutaneous LD50 for rats >4000 mg/kg.

Inhalation LC50 (4 h) for rats >6.36 mg/l.

Not irritating to skin; severe eye irritant.

Not a skin sensitiser.

Chronic toxicity

NOEL (24 mo) for rats 20 ppm (c. 1.25 mg/kg daily), for mice 100 ppm (c. 18 mg/kg daily).

12. ECOLOGICAL INFORMATION

Birds Acute oral LD50 for bobwhite quail 377 mg/kg. Sub-acute dietary LC50 (5 d) for bobwhite quail and mallard ducks >5620 ppm.

Fish LC50 (96 h, using MCPA salt solution) for rainbow trout 50–560, bluegill sunfish >150, carp 317, silverside 220 mg/l.

Daphnia LC50 (48 h) >190 mg/l.

Algae EC50 for *Selenastrum capricornutum* >392 mg/l.

Other aquatic spp. LC50 for pink shrimps (*Panaeus duorarum*) 231 mg/l.

Bees LD50 (oral and contact) >200 µg/bee.

Worms LD50 (14 d) for *Eisenia foetida* 325 mg/kg dry soil.

13. DISPOSAL CONSIDERATION

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Product: The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Contaminated packaging: Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

14. TRANSPORT INFORMATION

DOT

UN number : 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (MCPA)

Class : 9

Packing group : III

IATA

UN number : 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (MCPA)

Class : 9

Packing group : III

IMDG

UN number : 3077

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (MCPA)

Class : 9

Packing group : III

15. REGULATORY INFORMATION



SHANGHAI BOSMAN INDUSTRIAL CO., LTD.

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Tel: +86 21 63065878 | **Fax:** +86 21 63065878 | **E-mail:** info@bosmangroup.com

Website: www.bosmanagrochem.net

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Follow all local, international decree, regulation and laws.

16. OTHER INFORMATION

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This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact the company.

-- END OF MSDS --