



上虞洁华化工有限公司

Shangyu Jiehua Chemical Co., Ltd.

Chemical Safety Data Sheet

SECTION 1 IDENTIFICATION

Product Name: Magnesium peroxide.

Other Name: /

Recommended use of the chemical and restrictions on use: Used as soil and groundwater treatment.

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SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Oxidizing solids Category 5.1,

Skin irritation Category 1b,

serious eye irritation Category 2.

GHS Label elements, including precautionary statements:



上虞洁华化工有限公司

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Signal word: Danger

Hazard statement(s):

May intensify fire; oxidizer.

Cause skin irritation.

Causes serious eye irritation.

May cause respiratory irritation.

Precautionary statement(s):

Prevention: Keep away from heat/sparks/open flame/hot surfaces. No smoking. Keep away from clothing/ combustibles. Take any precaution to avoid mixing with combustible. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Wear protective gloves/eye protection/face protection. Use only outdoors or in a well-ventilated area.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with Water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact



上虞洁华化工有限公司

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lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician IF you feel unwell.

In case of fire: Use water for extinction.

Storage: Store locked up.

Disposal: Dispose of contents/container to relevant regulations.

Other hazards which do not result in classification: /

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%(w/w)
Magnesium peroxide	1335-26-8	≥ 35
Moisture	7732-18-5	≤ 6.5
Magnesium oxide	1309-48-4	≤ 5
Magnesium hydroxide	1309-42-8	Balance

SECTION 4 FIRST AID MEASURES

Description of necessary first aid measures

If inhaled: Remove victim to fresh air and keep comfortable for breathing. Oxygen or artificial respiration if need. Get immediate medical attention.

In case of skin contact: Immediately rinse skin with plenty of water. Remove and isolate contaminated clothing and shoes. If irritation persists, get medical attention immediately. For minor skin contact, wash clothing separately before reuse.



上虞洁华化工有限公司

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If swallowed: Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of Aspiration. Loosen tight clothing such as a collar, tie, belt or waistband. Do not use mouth-to-mouth method if victim ingested the substance. Seek immediate medical attention.

Most important symptoms and effects, both acute and delayed: /

Indication of immediate medical attention and special treatment needed: /

SECTION 5 FIREFIGHTING MEASURES

Suitable extinguishing media: Use water.

Special hazards arising from the chemical: Released in case of fire: Irritating, corrosive or toxic gases.

Special protective actions for fire-fighters: Wear protective clothing.

Including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering. Keep unnecessary personnel away.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not allow material to be released to the environment without proper governmental permits.



上虞洁华化工有限公司

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Methods and materials for containment and cleaning up: Pick up and arrange disposal in suitable container and clean contaminated surface thoroughly.



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SECTION 7 HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin, eyes, mucous membranes and clothing. In case of insufficient ventilation, wear Suitable respiratory equipment if ingested. Avoid formation of dust and aerosols.

Conditions for safe storage, including any incompatibilities: Keep in a cool, dry, well-ventilated place. Keep tightly closed until used. Keep away from incompatible substance.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: /

Appropriate engineering controls: Do not get this material in contact with skin. Do not get this material on clothing. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection: Use safety glasses with side shields or Safety goggles as mechanical barrier for prolonged exposure.

Skin protection: Wear appropriate chemical resistant gloves. Use clean protective body-covering as needed to minimize contact with clothing and skin.

Respiratory protection: Use appropriate certified respirators if facing high concentrations.



上虞洁华化工有限公司

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White or pale yellow powder
Odour	Odourless
Odour Threshold	/
pH	9.5~11.5
Melting point/freezing point	/
Initial boiling point and boiling range	/
Flash point	/
Evaporation rate	/
Flammability (solid, gas)	/
Upper/lower flammability or explosive limits	/
Vapour pressure	/
Vapour density	/
Relative density	/
Water solubility	Practically insoluble
Partition coefficient: noctanol/water	/
Autoignition temperature	/
Decomposition temperature	350℃
Viscosity	/



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SECTION 10 STABILITY AND REACTIVITY

Reactivity: /

Chemical stability: Very stable in room temperature.

Possibility of hazardous reactions: /

Conditions to avoid: /

Incompatible materials: Avoid contact with combustible materials.

Hazardous decomposition products: May include irritating, corrosive or toxic gases.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute health effects:

Ingestion: /

Inhalation: /

Skin: Cause skin irritation.

Eyes: Cause serious eye damage.

Numerical measures of toxicity (such as acute toxicity estimates):

Magnesium peroxide LD50 (Dermal, rabbit): >2000mg/kg;

LD50 (Oral, rabbit): >2000mg/kg;

LD50 (Inhale, rabbit): >5000mg/kg.



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SECTION 12 ECOLOGICAL INFORMATION

Toxicity:

Toxicity to aquatics	Magnesium hydroxide	96Hr LC50 fish: 775.8mg/L
		48Hr EC50 alga: 284.76mg/L

Persistence and degradability: Readily biodegradable.

Bioaccumulative potential: Bioaccumulation is unlikely.

Mobility in soil: /

Other adverse effects: /

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods: Contact a licensed professional waste disposal service to disposal of this material. Dispose of in accordance with local Environment regulations or local authority Requirement.

SECTION 14 TRANSPORT INFORMATION

UN number: UN1476.

UN proper shipping name: MAGNESIUM PEROXIDE.

Transport hazard class (es): 5.1.

Packaging group: PGII.

Environmental hazards: no



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SECTION 15 REGULATORY INFORMATION

Regulations:

Magnesium peroxide (CAS: 1335-26-8) is found on the following regulatory list: "China Classification and Labeling of Dangerous Chemical Substances", "China Dangerous Chemicals Names List", This safety data sheet is in compliance with the following national standards: GB16483-2008, GB13690-2009, GB6944-2005, GB/T15098-2008, GB18218-2009, GB15258-2009, GB6944-2005, GB190-2009, GB191-2009, GB12268-2008, GA57-1993, GBZ 2-2007 as well as the following national regulations: Dangerous Goods Transport Administrative Regulation, Dangerous Chemicals Safety Administrative Regulation, United Nations Regulations on the Transport of Dangerous Goods (UN RTDG).

SECTION 16 OTHER INFORMATION

References "Model Regulations on the Transport of Dangerous Goods"

"The Globally Harmonized System of Classification and Labelling of Chemicals"

Form Date