



# 上虞洁华化工有限公司

Shangyu Jiehua Chemical Co., Ltd.

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## Chemical Safety Data Sheet

### SECTION 1 IDENTIFICATION

**Product Name:** Sodium perborate monohydrate.

**Other Name:** /

**Recommended use of the chemical and restrictions on use:** Used as oxidizing agent, cleaning, bleaching, stain removal etc.

Supplier's details: SHANGYU JIEHUA CHEMICAL CO.,Ltd. , No.51,Baiheng Road, Baiguan Street, Shangyu City, Zhejiang Province, P.R. China.

Emergency phone number:

+8613505858301/+86-575-82735798/+86-575-82211434

### SECTION 2 HAZARDS IDENTIFICATION

**Classification of the substance or mixture:**

Oxidizing solids Category 5.1, Skin irritation Category 1b, Eye damage Category 1a, Germ cell mutagenicity Category: /

**GHS Label elements, including precautionary statements:**



**Signal word:** Danger

**Hazard statement(s):**

May intensify fire; oxidizer.

Harmful if swallowed.

Toxic if inhaled.

Causes serious eye damage.

May cause respiratory irritation.

May damage fertility or the unborn child.

**Precautionary statement(s):**

**Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flame/hot surfaces.—No smoking. Keep away from clothing/ combustibles. Take any precaution to avoid mixing with combustible. Wear protective gloves/ eye protection/face protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.

**Response:** IF SWALLOWED: Immediately call a poison CENTER/doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Immediately rinse skin with plenty of water. IF INHALED: Remove victim to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention.

**In case of fire:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.



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**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)
Sodium perborate monohydrate	10332-33-9	95
Sodium metaborate tetrahydrate	10555-76-7	1~3
Water	7732-18-5	0~2

## 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.

**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:** /



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**Indication of immediate medical attention and special treatment needed: /**

## **SECTION 5    FIREFIGHTING MEASURES**

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the chemical:** Released in case of fire: Borane/ boron oxides, Sodium oxides.

**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.

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

## **SECTION 7    HANDLING AND STORAGE**



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**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. Store away from incompatible substance reducing agents, heavy metal salts.

## 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.



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## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White, free-flowing granule.
<b>Odour</b>	/
<b>Odour Threshold</b>	/
<b>pH</b>	9.9~10.9
<b>Melting point/freezing point</b>	/
<b>Initial boiling point and boiling range</b>	/
<b>Flash point</b>	/
<b>Evaporation rate</b>	/
<b>Flammability (solid, gas)</b>	/
<b>Upper/lower flammability or explosive limits</b>	/
<b>Vapour pressure</b>	/
<b>Vapour density</b>	/
<b>Relative density</b>	/
<b>Water solubility</b>	Min 12 g/L @20°C
<b>Partition coefficient: noctanol/water</b>	/
<b>Autoignition temperature</b>	/
<b>Decomposition temperature</b>	/
<b>Viscosity</b>	/

## SECTION 10 STABILITY AND REACTIVITY

**Reactivity:** /

**Chemical stability:** Stable under storage condition

**Possibility of hazardous reactions:** /



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**Incompatible materials:** Avoid contact with strong reducing agents, Heavy metal salts.

**Hazardous decomposition products:** May include Borane/boron oxides, Sodium oxides.

## SECTION 11 TOXICOLOGICAL INFORMATION

**Acute health effects:**

**Ingestion:** /

**Inhalation:** /

**Skin:** Causes skin irritation.

**Eyes:** Cause serious eye damage.

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

LD50 (ORAL, rat): 2400 mg/kg;

LD50 (Inhale, rat): >4580 mg/kg;

LD50 (Dermal, rabbit): >2000 mg/kg.

## SECTION 12 ECOLOGICAL INFORMATION

**Toxicity:** /

**Persistence and degradability:** Readily biodegradable.

**Bioaccumulative potential:** /

**Mobility in soil:** /



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**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:** UN3377.

**UN proper shipping name:** SODIUM PERBORATE MONOHYDRATE.

**Transport hazard class (es):** 5.1.

**Packaging group:** PGIII.

**Environmental hazards:** no

**Special precautions for user:** /

## SECTION 15 REGULATORY INFORMATION

### Regulations:

Sodium perborate monohydrate (CAS: 10332-33-9) 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, GB/T 15098-2008, GBZ 2-2007 as well as the





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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**