

Chemical Safety Data Sheet

Section 1 Product and Company Identification

Product Name	Potassium Monopersulfate Compound		
Manufacturer name	SHAOXIN SHANGYU JIEHUA CHEMICAL CO., LTD.		
Manufacturer address	Weiyi East Road 1#, Hangzhou Bay Shangyu economic and		
	Technological Development Area, Zhejiang Province P. R. China.		
Manufacturer post code	312300		
Manufacturer fax	+86-575-82211434		
Manufacturer email	wangyan@shangyuchem.com/wjy-8012@163.com		
Emergency number	+86-532-83889090		
Effective date	Dec 28, 2015		

Section 2 Hazards Identification

Hazard class and label elements of the substance according to GHS(the fifth revised edition):

GHS hazard class

Physical hazard(s)	Acute toxicity-oral	Category5
Health hazard(s)	Skin corrosion/irritation	category1b
	Serious eye damage/eye irritation	category1
	Specific target organ toxicity, single exposure;	
	Respiratory tract irritation	category3

Pictogram



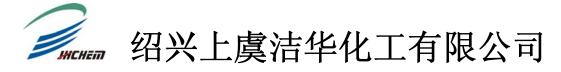
Signal



绍兴上虞洁华化工有限公司

Shaoxing Shangyu Jiehua Chemical Co., Ltd.

Hazard statement(s)	Danger
	H303 May be harmful if swallowed
	H314 Causes severe skin burns and eye damage
	H318 Causes serious eye damage
Precautionary statements	H335 May cause respiratory irritation
Prevention	
	P260 Do not breathe dust/fume/gas/mist/vapours/spray.
	P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
	P264 Wash hands thoroughly after handling.
	P271 Use only outdoors or in a well-ventilated area.
	P280 Wear protective gloves/protective clothing/eye protection/face
Response	protection.
	P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce
	vomiting.
	P303+P361+P353 IF ON SKIN (or hair): Take off immediately all
	contaminated clothing. Rinse skin with water [or shower].
	P304+P340 IF INHALED: Remove person to fresh air and keep
	comfortable for breathing.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several
	minutes. Remove contact lenses, if present and easy to do. Continue
	rinsing.
	P310 Immediately call a POISON CENTER/doctor.
	P312 Call a POISON CENTER/doctor/if you feel unwell.
	P363 Wash contaminated clothing before reuse.
Storage	P403+P233 Store in a well-ventilated place. Keep container tightly
	closed.
	P405 Store locked up.
Disposal	P501 Dispose of contents/container in accordance with local/
	regional/national/international regulations.



Component	Concentration (%W/W)	CAS No.	EC No.
Potassium Monopersulfate	42~48	10058-23-8	233-187-4
Potassium Sulfate	24~28	7778-80-5	231-915-5
Potassium Bisulfate	19~22	7646-93-7	231-594-1
Magnesium Sulfate	Approx.2	7487-88-9	231-298-2

Section 3 Composition/Information on Ingredients

Section 4 First Aid Measures

After skin contact	Immediate flush skin with plenty of water. Remove and isolate contaminated
	clothing and shoes. If irritation persist, get medical attention immediately. for
	minor skin contact, avoid spreading material on unaffected skin. Wash clothing
	separately before reuse.
After eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Assure
	adequate flushing of the eyes by separating the eyelids with fingers. Get medical
	advice.
After ingestion	If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.
	Loosen tight clothing such as a collar, tie, belt or waistband the substance. Seek
	immediate medical attention. Never give anything by mouth to an unconscious
	person. Rinse mouth with water. Consult a physician.
After inhalation	Move to fresh air. Oxygen or artificial respiration if needed, Get immediately
	medical attention.



绍兴上虞洁华化工有限公司

Shaoxing Shangyu Jiehua Chemical Co., Ltd.

Section 5 Fire Fighting Measures

Hazardous products of combustion	Can be released in case of fire: oxygen, sulfur dioxide, sulfur		
	anhydride, etc.		
Extinguishing method	Water		
Special protective equipment	Wear full protective clothing, including helmet, self-		
	contained positive pressure or pressure demand breathing		
	apparatus, protective clothing and face mask.		

Section 6 Accidental Release Measure

Personal protective measures	Ensure adequate ventilation. Remove all sources of ignition.
	Do not touch damaged containers or spilled material unless
	wearing appropriate protective clothing. Ventilate closed
	spaces before entering. Keep unnecessary personnel away.
Environmental protective measures	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 for taking in and cleaning up	Sweep up, then place into a suitable container for disposal.
	Avoid generating dusty conditions. Provide ventilation.
	Clean contaminated surface thoroughly.

Section 7 Handling and Storage

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. Keep away from heat, sources of ignition, sparks or open flame.
Storage Keep in a cool, dry, well-ventilated place. Keep tightly closed until used. Keep away from fire and heat source. Sealed packaging. Store away from reducing agents, strong bases, heavy metallic salt, etc.



绍兴上虞洁华化工有限公司

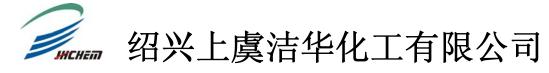
Shaoxing Shangyu Jiehua Chemical Co., Ltd.

Section 8 Exposure Controls/Personal Protection

Engineering Controls	Facilities storing or utilizing this material should be equipped with an		
	eyewash and a safety shower facility. Use adequate ventilation to keep		
	airborne concentrations low.		
Respiratory protection	When workers are facing concentrations above the exposure limit they		
	must use appropriate certified respirators.		
Eye protection	Use safety glasses with side shields or safety goggles as mechanical		
	barrier for prolonged exposure.		
Hand Protection	Wear appropriate chen1ical resistant gloves.		
Body protection	Use clean protective body-covering as needed to minimize contact with		
	clothing and skin.		

Section 9 Physical and Chemical Properties

Appearance	White solid
Odour	No data available
Odour Threshold	No data available
рН	2~3
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density(g/L)	800~1200
Water solubility(g/L,20°C)	256
Partition coefficient: noctanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available



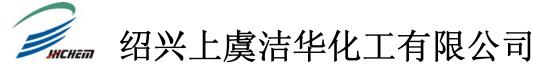
Section 10 Stability and Reactivity

Reactive	No data available.
Chemical stability	This is a stable chemical under the recommended storage
	condition.
Possibility of hazardous reactions	No data available.
Avoid conditions	Heat, flames and sparks. Incompatibles. The extreme
	temperatures and direct sunlight.
Incompatible materials	Reducing agents, strong bases, heavy metallic salt.
Hazardous decomposition products	Oxygen, sulfur dioxide, sulfur anhydride.

Section 11 Toxicological Information

Acute toxicity: Potassium bisulfate : LD₅₀ (rat, 0ral) 2340mg/Kg.

Potassium sulfate : LD₅₀ (rat, Oral) 6600mg/Kg. Skin corrosion/irritation: Cause serious skin burns and eye damage. Serious eye damage/eye irritation: Cause serious eye damage. Respiratory or skin sensitization: No data available. Germ cell mutagenicity: No data available. Carcinogenicity: No data available. Reproductive toxicity: No data available. Specific target organ toxicity – single exposure: May cause respiratory irritation. Specific target organ toxicity – repeated exposure: No data available.



Section 12 Ecological Information

Toxicity:	potassium bisulfate	
	Test & Species	
	96Hr LC50 fish: 3500mg/l	
	48Hr EC50 Daphnia: 1310mg/l	
	72Hr EC50 Algae: N/A	
	Potassium sulfate	
	Test & Species	
	96Hr LC50 fish: 680mg/l	
	48Hr EC50 Daphnia: N/A	
	72Hr EC5oAlgae:N/A	
Persistence and degradabili	ity: No data available.	
Bioaccumulative potential: No data available.		

Mobility in soil: No data available.

Other adverse effects: No data available.

Section 13 Disposal Considerations

Property of waste: Hazardous Waste.

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

Precautions of disposal: Professional processing together.

Section 14 Transport Information

UN number: 3260

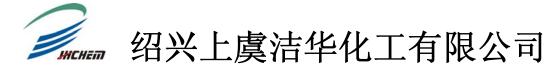
UN proper shipping name: CORROSIVE SOLID, ACIDIC, INORGANIC, N, o. S.

(contains Potassium peroxymonosulfate and Potassium bisulfate)

Transportation primary hazard class: 8

Transportation secondary hazard class: —

Packing group: II



Component	CHINA	TSCA	ENCS	EINECS
Potassium Monopersulfate	\checkmark	\checkmark	\checkmark	\checkmark
Potassium Sulfate	\checkmark	\checkmark	\checkmark	
Potassium Bisulfate			\checkmark	\checkmark
Magnesium Sulfate		V	\checkmark	\checkmark

Section 15 Regulatory Information

Note 1:

CHINA - China Inventory of Existing Chemical Substances (IECSC)

TSCA - United States Inventory of Toxic Substances Control Act Chemical Substances (TSCA)

ENCS - Japan Existing and New Chemical Substances (ENCS)

EINECS - European Inventory of Existing Commercial Chemical Substances (EINECS)

Note 2:

" $\sqrt{}$ " Indicates that the substance included in the regulations

"-" That no data or included in the regulations

Section 16 Additional Information

This Safety Data Sheet (SDS) was prepared according to UN GHS (the fifth revised edition), is only for users reference. Users should make their independent judgment of suitability of these information for their particular purposes.