Chemical Safety Data Sheet

Section 1 Product and Company Identification

Product Name Calcium Peroxide

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)Oxidizing solidscategory2Health hazard(s)Skin corrosion/irritationcategory1

Serious eye damage/eye irritation category1

Specific target organ toxicity, single exposure;

Respiratory tract irritation category3

Pictogram



Sigmal

Hazard statement(s)

H272 May intensity fire; oxidier

H314 Causes severe skin burns and eye damage

Precautionary statements

H335 May cause respiratory irritation

Prevention

Response

P210 Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking.

P220 Keep away from clothing and other combustible materials.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face

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.

Storage P363 Wash contaminated clothing before reuse.

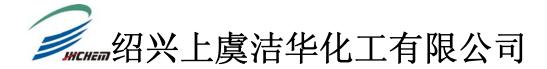
P403+P233 Store in a well-ventilated place. Keep container tightly

closed.

Disposal P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/

Danger /national/international regulations.



Section 3 Composition/Information on Ingredients

Component	Concentration (%)	CAS No.	EC No.
Calcium Peroxide	70-80	1305-79-9	215-139-4
Water	0-2	7732-18-5	231-791-2
Calcium Hydroxide	18-28	1305-62-0	215-137-3

Section 4 First Aid Measures

After skin contact Take off the contaminated clothing and shoes immediately. Wash off with soap

and plenty of water. Consult a physician.

After eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a

physician.

After ingestion Do Not induce vomiting. Never give anything by mouth to an unconscious

person.Rinse mouth with water. Consult a physician.

After inhalation If breathed in, move person into fresh air. If not breathing, give artificial

respiration. Consult a physician.

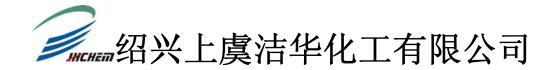
Section 5 Fire Fighting Measures

Hazardous products of combustion No data available

Extinguishing method Use dry chemical or sand.

Special protective equipment Wear self contained breathing apparatus for fire fighting if

necessary.



Section 6 Accidental Release Measure

Personal protective measuresUse personal protective equipment. Avoid dust formation.

Ensure adequate ventilation. Evacuate personnel to safe

areas. Avoid breathing dust.

Environmental protective measures Prevent the spills inflow to a sewer and then place in

suitable container.

Methods for taking in and cleaning up Pick up and arrange disposal without creating dust. Sweep

up and shovel. Keep in suitable, closed containers for

disposal.

Section 7 Handling and Storage

Handling Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide

appropriate exhaust ventilation at places where dust is formed. Normal measures for

preventive fire protection.

Storage Store in cool place. Keep container tightly closed in a dry and well-ventilated

place. Containers which are opened must be carefully resealed and kept upright to

prevent leakage.

Section 8 Exposure Controls/Personal Protection

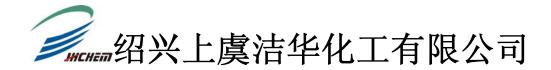
Engineering Controls Safety shower and eye bath. Mechanical exhaust required.

Respiratory protection Use a full-face supplied air respirator.

Eye protection Wear chemical goggles.

Hand Protection Wear impervious chemical resistant gloves.

Body protection Protective work clothing.



Section 9 Physical and Chemical Properties

AppearanceLight yellow solidOdourNo data available

Odour Threshold No data available

pH 11∼13

Melting point/freezing pointNo data availableInitial boiling point and boiling rangeNo data availableFlash pointNo data availableEvaporation rateNo data availableFlammability (solid, gas)No data available

Vapour pressureNo data availableVapour densityNo data availableRelative density (g/L) $500 \sim 650$

No data available

Water solubilityPractically InsolublePartition coefficient: noctanol/waterNo data availableAutoignition temperatureNo data available

Decomposition temperature 275°C

Viscosity No data available

Section 10 Stability and Reactivity

Reactive No data available.

Upper/lower flammability or explosive limits

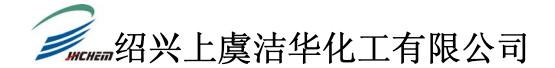
Chemical stability Stable under the condition recommended.

Possibility of hazardous reactionsNo data available.

Avoid conditions Heat, flames and sparks.

Incompatible materials Strong reducing agent, water, acids, flammable materials.

Hazardous decomposition products No data available.



Section 11 Toxicological Information

Acute toxicity: Calcium hydroxide: LD₅₀(rat,Oral) 7340mg/kg

Skin corrosion/irritation: Cause serious skin burns.

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: No data available.

Specific target organ toxicity – repeated exposure: No data available.

Aspiration hazard: No data available.

Section 12 Ecological Information

Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

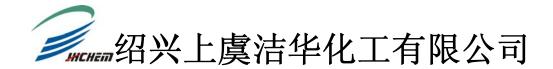
Other adverse effects: No data available.

Section 13 Disposal Considerations

Property of waste: Hazardous Waste.

Methods of disposal: Dispose of in a manner consistent with federal, state, and local regulations.

Precautions of disposal: Professional processing together.



Section 14 Transport Information

UN number: 1457

UN proper shipping name: CALCIUM PEROXIDE

Transportation primary hazard class: 5.1

Transportation secondary hazard class: —

Packing group: II

Section 15 Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
Calcium peroxide	√	1	√	√
Water	V	V	√	V
Calcium hydroxide	V	V	V	V

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.