

Section 1: Identification

Product Name Zinc oxide USP
Commercial Name Not available.
Product Use Not available.
Restrictions On Use Not available.
Product Code 30-1063
Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Not available
CFR 1910.1200
Signal Word NON-HAZARDOUS
Hazard Statement(s) Not available
Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention Not available
Response Not available
Storage Not available.
Disposal Not available

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components Zinc oxide
% By Weight 100
CAS# 1314-13-2
Molecular Weight 81.38 g/mole
Chemical Formula ZnO
Synonym(s) Not available.

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Zinc oxide	1314-13-2	100	TWA: 5 (mg/m3) Inhalation Total. TWA: 5 STEL: 10(mg/m3) fromACGIH [1995]TWA: 5 STEL: 10(mg/m3) fromNIOSH	ORAL (LD50):Acute: 7950mg/kg [Mouse].

Section 4: First-Aid Measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin Contact Wash contaminated skin with soap and water. Get medical attention if symptoms occur.

Eye Contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Ingestion Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Symptoms/Effects

Acute Not available

Delayed Not available

Immediate Medical Attention

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 5: Fire-Fighting Measures**Suitable Extinguishing Media**

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media

Not available

Products of Combustion

metal oxide/oxides

Firefighters Special Equipment and Precautions

Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6: Accidental Release Measures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Section 7: Handling and Storage

HANDLING: Put on appropriate personal protective equipment (see Section 8). Avoid release to the environment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures. **STORAGE:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Section 8: Exposure Controls/Personal Protection

Exposure Limits

Zinc oxide: NIOSH REL (United States, 10/2016). CEIL: 15 mg/m³ Form: Dust TWA: 5 mg/m³ 10 hours. Form: Dust and fumes STEL: 10 mg/m³ 15 minutes. Form: Fertilizer and/or industrial use. OSHA PEL (United States, 5/2018). TWA: 5 mg/m³ 8 hours. Form: Fertilizer and/or industrial use. TWA: 5 mg/m³ 8 hours. Form: Respirable fraction TWA: 15 mg/m³ 8 hours. Form: Total dust ACGIH TLV (United States, 3/2018). TWA: 2 mg/m³ 8 hours. Form: Respirable fraction STEL: 10 mg/m³ 15 minutes. Form: Respirable fraction

Engineering Controls

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Personal Protection

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Respiratory protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. : : Skin protection

Section 9: Physical and Chemical Properties

Appearance	White solid.		
Odor	Odorless.		
Odor Threshold	Not available.		
Melting Point	1975°C (3587°F)	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	Not applicable.
Boiling Point/Range	Not available.	Vapor Density	Not available.
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	Not available.	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Insoluble in cold water, hot water. Soluble in dilute acetic acid, or mineral acids, ammonia, ammonium carbonate, fixed alkali hydroxide solution..		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	The product is stable.
Hazardous Polymerization	Under normal conditions of storage and use, hazardous reactions will not occur
Conditions to Avoid	Not available.
Incompatible Materials	Chlorinated rubber: Violent reaction or explosion with zinc oxide at 215 °C. Flax oil: Exothermic reaction with possibility of ignition. Magnesium: If heated: explosive reaction. Strong bases and acids: Possibility of violent reaction.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced

Section 11: Toxicological Information

RTECS ZH4810000

Acute Toxicity

Not available.

Skin Corrosion/Irritation

Not available.

Serious Eye Damage/Irritation

Not available.

Respiratory or Skin Sensitization

Not available.

Germ Cell Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive Toxicity

Not available.

Routes of Entry

Dermal contact. Eye contact. Inhalation. Ingestion.

Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available.

Target Organ(s) Not available.

Section 12: Ecological Information**Ecotoxicity**

Not available

Persistence and Degradability

Not available.

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal of Container

Empty containers or liners may retain some product residues

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

U.S. Federal regulations The following components are listed: Zinc oxide WARNING: This product can expose you to chemicals including Cadmium Oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. This product can expose you to chemicals including Lead Monoxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov. Clean Water Act (CWA) 307: Zinc Oxide Massachusetts : : SARA 313 Product name CAS number SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed. Zinc oxide 1314-13-2 Zinc oxide 1314-13-2 Form R - Reporting requirements Supplier notification California Prop. 65 Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed Clean Air Act Section 602 Class I Substances : Not listed Clean Air Act Section 602 Class II Substances : Not listed DEA List I Chemicals (Precursor Chemicals) : Not listed DEA List II Chemicals (Essential Chemicals) : Not listed New York : None of the components are listed. New Jersey : The following components are listed: Zinc oxide Pennsylvania : The following components are listed: Zinc oxide State regulations SARA 302/304 SARA 304 RQ : 100000000000 lbs / 45400000000 kg Cadmium Oxide Yes. 100 / 10000 - 100 - Composition/information on ingredients Name EHS (lbs) (lbs)(gallons) (gallons) SARA 302 TPQ SARA 304 RQ SARA 311/312 Classification Not applicable. United States inventory (TSCA 8b): All components are listed or exempted. : Canadian lists The following components are listed: Zinc oxide Canadian NPRI : CEPA Toxic substances : None of the components are listed. Canada inventory (DSL NDSL) : All components are listed or exempted. 9/10Tel : +1-888-GHS-7769 (447-7769) / +1-450-GHS-7767 (447-7767) www.kmkregservices.com www.askdrluc.com www.ghssmart.com

Other

WHMIS CLASS D-2B: Material causing other toxic (Canada) effects (TOXIC).;DSCL (EEC) R36- Irritating to eyes. R40- Possible risks of irreversible effects. R63- Possible risk of harm to the unborn child.;Gloves.;Lab coat.;Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.;Splash goggles.

Section 16: Other Information

Not available.