



Humco Holding Group, Inc.
7400 Alumax Dr
Texarkana TX 75501 USA
800-662-3435
cs@humco.com
www.humco.com

24-Hour Emergency Number (CHEMTREC)
USA- 800-424-9300

All non-emergency calls should be directed to
Customer Service at 800-662-3435

NAME: ZINC OXIDE POWDER USP

SDS NO. 3501

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Zinc Oxide Powder, USP

Synonyms: Zinc White, Chinese White, Flowers of Zinc

Recommended Use: For prescription compounding.

Manufacturer by: Humco Holding Group, Inc.

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2. HAZARD IDENTIFICATION

Pictogram:	Not required
Classification:	Not required.
Signal Word:	Not required
Hazard Statements:	Not required

3. COMPOSITION / INGREDIENTS

CHEMICAL NAME	CAS#
Zinc Oxide	1314-13-2

The exact percentage has been withheld as a trade secret

4. FIRST-AID MEASURES

ROUTE	COMMON SYMPTOMS	FIRST AID
Inhalation	May cause respiratory irritation	Remove person to fresh air, keep warm and at rest.
Ingestion	Product is generally recognized as safe and a use is zinc vitamin supplement.	In case of gastric irritation, drink plenty of water, do not induce vomiting, and seek medical advice.
Skin	Not irritating	In case of irritation, wash with plenty of water and soap.
Eyes	Not irritating.	In case of irritation, wash with plenty of water. Seek medical advice.

5. FIRE-FIGHTING MEASURES

Flash Point:	Not combustible
Auto Ignition:	Non-flammable
Extinguishing Media:	Use extinguishing media appropriate for surrounding fire
Products of Combustion:	Metal oxides, Oxides
Fire Fighting Equipment and Procedures:	This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway sewer or drain.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	No action shall be taken involving any personal risk without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
Environmental Precautions:	Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Method of Containment:	Recover the product with a vacuum cleaner or a damp cloth. Do not sweep up to avoid unnecessary creation of airborne dust.
Method for Clean-Up:	Collect spillage

7. HANDLING AND STORAGE

Handling:	Wear protective clothing and dust respirator in bulk dust conditions.
Storage:	Preferred storage is in a cool and dry place to minimize potency degradation.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Controls:	Use local exhaust ventilation to keep airborne concentrations of dust below permissible exposure levels.
Personal Protective Equipment (PPE)	
Eye/Face Protection:	Eye goggles may not be required for normal industrial exposures, but may be warranted if environment is excessively dusty.
Skin Protection:	Gloves may not be required for normal industrial exposures, but may be warranted if environment is excessively dusty.
Respiratory Protection	Respiratory protection may not be required for normal industrial exposures, but may be warranted if environment is excessively dusty.
General Hygiene Considerations:	Always follow good hygienic practices. Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Fine White Powder	Upper/Lower Flammability:	Not Flammable
Odor:	Odorless	Vapor Pressure	Not Determined
Odor Threshold:	Not Determined	Vapor Density:	Not Determined
pH:	6.8 to 8	Relative Density:	5.8
Melting point /Freezing Point:	1975 ° C	Solubilities:	Insoluble in water, Soluble in bases and acids
Boiling point/range:	Not determined	Partition coefficient: n-octanol/water:	Not Determined
Flash point	Not Determined	Auto-ignition temperature	Not Determined
Evaporation rate	Not Determined	Decomposition Temperature:	Not Determined
Flammability:	Not Flammable	Viscosity	Not Determined

10. STABILITY AND RACTIVITY

Reactivity:	Stable under normal dry air conditions.
Chemical Stability:	Product is stable
Possibility of Hazardous reactions:	None
Conditions to Avoid:	Heated magnesium, Chlorinated rubber above 215 ° C
Incompatible materials:	Product decomposes in bases and acids, neutralizing ph.
Hazardous Decomposition Products:	None

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Not Determined
Skin irritation:	Not Irritating
Eye contact damage:	Not Irritating
Respiratory damage:	Not Irritating
Ingestion overdose:	Product is generally recognized as safe and a use is zinc vitamin supplement.
Delayed, immediate, or chronic effects from short- and long-term exposure	Not Determined
LD50	Not Determined
Symptoms associated with exposure:	No know significant effects or critical hazards.
Carcinogenicity:	
OSHA:	Not Determined
NTP:	Not Determined
IARC:	Not Determined

12. ECOLOGICAL INFORMATION

Acute or chronic aquatic toxicity:	Not determined
Chemical degradation:	Zinc oxide naturally degrades by reacting with carbon dioxide
Biodegradation:	Not Determined
Bioaccumulation potential	Not Determined
Adsorption studies or leaching studies:	Not Determined
Other adverse effects	Not Determined

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local laws and regulations. Avoid release into environment.

14. TRANSPORT INFORMATION

DOT Hazard Classification:	Not regulated
UN number:	UN3077
UN proper shipping name:	Environmentally Hazardous Substance, Solid, N.O.S. (Zinc Oxide)
Transport hazard class(es):	9
Packing group number:	III
Environmental hazards:	Yes
Special precautions:	No

15. REGULATORY INFORMATION

Not determined

16. OTHER INFORMATION

The information in this SDS is considered current and reliable. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal are beyond Humco's control, it is the responsibility of the user to determine safe conditions for use and to assume liability for loss, damage, or expenses arising from improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission. Various agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in the SDS. The user should review these regulations to ensure full compliance.