

MATERIAL SAFETY DATA SHEET

IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product Name: Zinc Oxide
 Product Use : Colourant

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Weight in Product (%)	Notes
Zinc Oxide 1314-13-2	99.9%	None

1. HAZARDS IDENTIFICATION

Emergency Overview:

Most Important Hazards: Prolonged or repeated exposure may cause lung damage

Potential Health Effects:

Inhalation: May cause irritation of the respiratory tract Prolong or repeated exposure cause lung damage.

Ingestion: No adverse health effects are expected from swallowing.

Skin Contact: May cause skin irritation

Eye Contact: Dust may cause irritation and inflammation

Chronic Health Hazards: Prolonged or repeated exposure to dust may cause pulmonary problems

Aggravated Medical Conditions: Pulmonary disorders, Allergies

2. FIRST AID MEASURES

Inhalation: Move person to fresh air. Aid in breathing, if necessary, and get immediate medical attention

Ingestion: If large quantities are ingested, seek medical advice .Not a hazard under normal use conditions.

Skin Contact: Wash with soap and water. Get medical attention if irritation persists.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

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1. FIRE FIGHTING MEASURES

Flash Point, °C:	Not Applicable
Auto ignition Temperature °C:	Not Applicable
Lower Explosive Limit, %:	Not Applicable
Upper Explosive Limit, %:	Not Applicable
Extinguishing Media:	Use extinguishing media appropriate for surrounding fire.
Fire Fighting Procedures:	The product itself does not burn Positive pressure, self-contained breathing apparatus
Unusual Fire and Explosion Hazards:	Not a fire or explosion hazard

2. SPILLAGE, ACCIDENTAL RELEASE MEASURES

Spill Procedures: Scoop up or vacuum into a container for reclamation or disposal avoid dusting
Environmental Precautions: No special environmental precautions require

3. HANDLING AND STORAGE

Material may be slippery when wet.
Store in cool dry place.
Avoid breathing dust.
Wash thoroughly after handling.
Avoid contact with eyes.
Use only with adequate ventilate on.

4. EXPOSURE CONTROLS/PERSONAL PROTECTON

Eye protective equipment:	Safety glasses with side shields
Hand protection:	Choosing the right material of gloves to be worn when handling the Dust or preparation
Respiratory protection:	Use a NIOSH/MSHA approved respirator as necessary to protect From dust
Skin protection:	Use apron, boots or full protective suit
Ventilation:	General ventilation, Local exhaust ventilation is recommended control exposures to within applicable limits.

5. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Powder
Color:	white to yellowish-white

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Odor:	Odorless
PH:	Not available(1%H ₂ O)
Boiling Point, °C	Not applicable
Melting Point, °C	1975°C(3875°F)
Freezing Point, °C	Not applicable
Vapor Pressure:	Not applicable
Solubility (in water)	Insoluble
Particle size	0.12µm

6. STABILITY AND REACTIVITY

Stability Data:	Stable
Conditions/Hazards to Avoid:	None known
Incompatibility (Materials to Avoid):	None known
Hazardous Decomposition Products:	None known
Polymerization:	Will not occur
Polymerization-Avoid:	None known

7. TOXICOLOGICAL INFORMATION

This inorganic pigment in general are considered to be practically non-toxic
Acute Toxicity Inhalation: Not Available.
Carcinogenicity: Not available

8. ECOLOGICAL INFORMATION

Information on product:	No ecological problems are to be expected when the product is handled and used with due care and attention.
Environmental Fate:	No data available
Ecotoxicological Information:	No data available

9. DISPOSAL CONSIDERATIONS

US EPA Waste Number:	Not Regulated
Disposal of Waste Method:	This product, if disposed as received, is a non-hazardous waste. Local disposal laws and regulations will determine the proper waste disposal/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

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10. TRANSPORT INFORMATION

International Transport Regulations:

UN/PIN Number: NONE

US Transportation Regulations:

DOT Classification: Not Regulated

Canadian Transportation of Dangerous Goods (TDG):

TDG Classification: Not Regulated

11. REGULATORY INFORMATION

International inventories:

United States This product or its ingredients are listed on or compliant with the TSCA inventory.

Europe This product or its ingredients are listed on or compliant with EINECS.

Korea Not Determined

US Federal Regulations:

SARA 311/312 Hazard Categories:

Acute Health Hazard

CAA 602 Ozone Depleting Substances (ODS):

This product either contains nor is manufactured with an ozone depleting substance subject to the labeling requirements Of the Clean Air Act Amendments 1990 and 40 CFR Part 82.

VOC content: None

US State Regulations:

VOC Content (CARB): None

Canadian Regulations:

WHMIS Classification:

Not Regulated

12. OTHER INFORMATION

The Material Safety Data Sheet (MSDS) is a detailed describes information bulletin prepared by the manufacturer for the physical and chemical properties, physical and health hazards, routes of exposure, precautions for safe handling and use, emergency and first-aid procedures, and control measures.
