

SAFETY DATA SHEET

Reference Material Kaolinite ZP60MV

Date of Preparation: 06/1072014

SDS #: 004-16824-00MSDS

SECTION 1: IDENTIFICATION

Product Identification: Ref. Mat. Kaolinite ZP60MV

Formula: AL₂O₃ 2SiO₂ 2H₂O

CAS Number: 1332-58-7

Other Designations: Hydrous Kaolin

Volumes: None

Recommended Use: Laboratory purposes, manufacture of chemicals

Restrictions: For laboratory use only.

Supplier Information:

Micromeritics Instrument Corp.

4356 Communications Drive

Norcross, GA 30093-2901 USA

Contact: Human Resources

Phone: (770) 662-3636

Fax: (770) 662-3696

Manufacturer: Englehard Corporation, Paper Pigments & Additives, 101 Wood Avenue, Iselin, NJ 08830-0770
Emergency Phone: 800-424-9300 Phone: 732-205-5502

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Category 1, Respiratory sensitization

Signal word: Not Applicable

Hazard Statements:

H303: May be harmful if swallowed

H333: May be harmful if inhaled

H335: May cause respiratory irritation

Pictograms:



Precautionary Statements:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	% wt
Kaolin	1332-58-7	100

Kaolin is classified as a nuisance dust by the American Conference of Governmental Industrial Hygienists (ACGIH). Unless otherwise noted, all values are reported as 8-hour Time-Weighted Averages (TWAs) and total dust (particulates only). All ACGIH TLVs refer to the 1999 Standards. All OSHA PELs refer to 29 CFR Part 1910 Air Contaminants: Final Rule, January 19, 1989.

Ingredient Notes: *Naturally occurring chemical substance per TSCA, 40 CFR 710.4(b).

NOTE: See Section 8 for Exposure Limits and Section 13 for Toxicological Information.

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Kaolin	10 mg/m ³	none estab.	2 mg/m ³ Resp.	none estab.	none estab.	none estab.	none estab.
	Total 5 mg/m ³ Resp.						

SECTION 4: FIRST-AID MEASURES

Primary Entry Routes:

Eye contact may cause mechanical irritation if exposed to large amounts of dust.

Skin contact may cause irritation.

Inhalation may cause irritation to respiratory tract and lung damage if exposure is repeated or prolonged.

Ingestion: No adverse effects expected.

Carcinogenicity: NTP: No, IARC: No, OSHA: No

Chronic Health Hazards:

Prolonged inhalation of excessive levels of KAOLIN may cause a benign pneumoconiotic condition, not normally associated with a decrement in lung function. In cases of long term exposure to extremely high levels of dust, progressive fibrosis may occur with lung function impairment.

Medical Conditions Generally Aggravated by Exposure:

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Asthmatic conditions may worsen from prolonged and continuous exposure to dust.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability Classification: Not applicable

Extinguishing Media: Product will not burn. Use appropriate extinguishing media to extinguish combustible materials stored near-by.

Special Fire Fighting Procedures: Wear NIOSH/MSHA approved positive-pressure self-contained breathing apparatus and protective clothing as specified in 29 CFR 1910.156.

Unusual Fire and Explosion Hazards: This product is not a fire or explosion hazard.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Vacuum or scoop the spilled material into a container for reclamation or disposal.

NOTE: In the event of an accidental release of this material, the above procedures should be followed. Additionally, proper exposure controls and personal protection equipment should be used (see Section 8: Exposure Control/Personal Protection), and disposal of the material should be in accordance with Section 13: Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Ingredients: See Section 3.

Respiratory Protection: Use NIOSH-approved dust mask if exposure exceeds PEL/TLV.

Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their PELs or TLVs during the use of this product.

Protective Clothing/Equipment: Safety Glasses (with side shields)

Personnel Sampling Procedure: For NUISANCE DUST; Refer to NIOSH Manual of Analytical Methods (NMAM), 4th Edition, Method 0500. For RESPIRABLE DUST: Refer to NIOSH Manual of Analytical Methods (NMAM) 4th Edition, Method 0600. For CRYSTALLINE SILICA: Refer to NIOSH Manual of Analytical Methods (NMAM), 4th Edition, Methods 7500, 7601 and 7602.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: Not applicable

Flash Point Method: Not applicable

Water Solubility: Insoluble

Burning Rate: Not applicable
Autoignition Temperature: Not applicable
LEL: Not applicable
UEL: Not applicable

Appearance and Odor: White powder. Odorless

Odor Threshold: Not applicable

Vapor Pressure: Not applicable

Vapor Density (Air=1): Not applicable

Formula Weight: Not applicable

Density: Not applicable

Specific Gravity (H₂O=1): 2 to 3

pH: 6 to 8

Other Solubilities: Not applicable

Boiling Point: Not applicable

Freezing/Melting Point: Not applicable

Viscosity: Not applicable

Refractive Index: Not applicable

Surface Tension: Not applicable

% Volatile: 0

Evaporation Rate: Not applicable

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Polymerization: Hazardous polymerization will not occur.

Chemical Incompatibilities: None documented.

Conditions to Avoid: None expected

Incompatibility (Materials to Avoid): None expected

Hazardous Decomposition or By-Products: No hazardous decomposition or by-products are expected.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity: no data available

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity: no data available

Aspiration hazard: no data available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not Available

Environmental Fate: Not Available

Environmental Degradation: Not Available

Soil Absorption/Mobility: Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal: US EPA Waste Number: Not regulated

This product, if disposed as received, is a non-hazardous waste on the basis of TCLP testing under current EPA Hazardous Waste Regulation as defined by 40 CFR Part 261 et al.

Disposal/recycling/reclamation requirements will vary by location and type of disposal selected. Consult with state and local regulatory authorities.

NOTE: Chemical additions, processing or otherwise altering this material may make the waste management information presented above incomplete, inaccurate or otherwise inappropriate.

As local regulations may vary; all waste must be disposed/recycled/reclaimed in accordance with federal, state, and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Not regulated

Shipping Symbols: Not Applicable

Hazard Class: Not regulated

ID No.: Not regulated

Packing Group: Not Applicable

Label: Not Applicable

Special Provisions (172.102):

Not Applicable

Packaging Authorizations

a) **Exceptions:** Not Applicable



b) Non-bulk Packaging: Not Applicable

c) Bulk Packaging: Not Applicable

Quantity Limitations

a) Passenger, Aircraft, or Railcar: Not Applicable

b) Cargo Aircraft Only: Not Applicable

Vessel Stowage Requirements

a) Vessel Stowage: Not Applicable

b) Other: Not Applicable

Canadian TDG Hazard Class & PIN – Not regulated

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

(TSCA): (TSCA compliant)

SARA 311 and 312 Hazard Categories:

Immediate (Acute) Health Hazard: Yes

Delayed (Chronic) Health Hazard: Yes

Fire Hazard: No

Reactivity Hazard: No

Sudden Release of Pressure: No

SARA SECTION 313 NOTIFICATION

This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

OZONE DEPLETING SUBSTANCE (ODS)

This product neither 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.

VOLATILE ORGANIC COMPOUNDS (VOC): None

US STATE REGULATIONS

Volatile Organic Compound (CARB): None

CANADIAN REGULATIONS

DSL/NDSL: DSL

WHMIS Classification: Not regulated

EUROPEAN REGULATIONS

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EINECS: Yes

OTHER REGULATIONS

MITI (Japan): Yes

AICS (Australia): Yes

SECTION 16: OTHER INFORMATION

Prepared By: Zuniga, A.

Revision Notes: Not Applicable

Additional Hazard Rating Systems: Not Applicable

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