

MSDS Code: 2010007677

METAMAX EF

Revision Date: 01/12/2001

Date Printed: 01/12/2001

NFPA Classification:

Health: 0
Flammability: 0
Instability: 0
Special Hazards:

HMIS Classification:

Health: 1 *
Flammability: 0
Reactivity: 0
Personal Protection:

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Common Name: Calcined Kaolin

Chemical Name: Aluminum Silicate

CAS No: 1332-58-7

Product Use: Industrial filler. Extender.

Supplier: ENGELHARD CORPORATION
SPECIALTY PIGMENTS & ADDITIVES
101 WOOD AVENUE
ISELIN, NJ 08830-0770
1-732-205-6913 FOR CUSTOMER SERVICE
1-502-775-7288 FOR ENVIRONMENT, HEALTH, AND SAFETY

For Chemical Emergency Call CHEMTREC (24 hours):
1-800-424-9300 (US, Canada, Puerto Rico, Virgin Islands)
1-703-527-3887 (Outside Above Area)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>Weight in Product (%)</u>	<u>Notes</u>
Kaolin 1332-58-7	~100	*Naturally occurring chemical substance per TSCA, 40 CFR 710.4(b).

3. HAZARDS IDENTIFICATION**Emergency Overview:**

Color: White
Form: Powder
Odor: Odorless

Engelhard
Material Safety Data Sheet

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Flash Point, °C: Not Applicable

Potential Health Effects:

Inhalation: May cause irritation of the respiratory tract. Prolonged or repeated exposure causes 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.

Carcinogenicity:

<u>Ingredient</u>	<u>Weight in Product (%)</u>	<u>NTP (Y/N)</u>	<u>IARC (See Notes)</u>	<u>OSHA (Y/N)</u>	<u>ACGIH (See Notes)</u>
Kaolin 1332-58-7	~100	N	N	N	A4

Notes:

IARC: Y1=Carcinogenic to humans; Y2A=Probably carcinogenic to humans; Y2B=Possibly carcinogenic to humans; N3=Not classifiable as to its carcinogenicity; N=Not studied or probably not carcinogenic.

ACGIH: A1=Confirmed human carcinogen; A2=Suspected human carcinogen; A3=Confirmed animal carcinogen; A4=Not classifiable as a human carcinogen; A5=Not suspected as a human carcinogen; N=Not studied.

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

Aggravated Medical Conditions: Pulmonary disorders.

4. FIRST AID MEASURES

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

Ingestion: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Skin Contact: Wash with soap and water.

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.

5. FIRE FIGHTING MEASURES

Flash Point, °C: Not Applicable

Autoignition Temperature, °C: Not Applicable

Lower Explosive Limit, %: Not Applicable

Upper Explosive Limit, %: Not Applicable
Positive pressure, self-contained breathing apparatus. Wear full protective clothing.

Applicable Fire Fighting Procedures:

Unusual Fire and Explosion Hazards:

Not a fire or explosion hazard. See Section 10: Stability and Reactivity for more information.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Scoop up or vacuum into a container for reclamation or disposal.

7. HANDLING AND STORAGE

Material may be slippery when wet.
Store in cool dry place.
Avoid breathing dust.
Avoid contact with eyes.
Use with adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Ingredient</u>	<u>Weight in Product (%)</u>	<u>OSHA PEL:</u>	<u>ACGIH TLV:</u>
Kaolin 1332-58-7	~100	15 mg/m3 (Total dust) 5 mg/m3 (Respirable fraction) (1993 Final Rule)	2 mg/m3 (Respirable fraction)

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 2000 standards. Unless otherwise noted, all OSHA PELs refer to 29 CFR Part 1910 Air Contaminants: Final Rule, January 19, 1989.

Personal Protective Equipment: Safety glasses with side shields. Wear suitable gloves.

Respiratory Protection: Use a NIOSH/MSHA approved respirator as necessary to protect from: dust.

Ventilation: General ventilation. Local exhaust ventilation is recommended to control exposures to within applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Powder
Color: White
Odor: Odorless

Solubility (in water): Insoluble

10. STABILITY AND REACTIVITY

Stability Data: Stable

Conditions/Hazards to Avoid: None anticipated

Incompatibility (Materials to Avoid): None anticipated.

Hazardous Decomposition Products: None anticipated

Polymerization: Under certain conditions, kaolin may catalyze the chain polymerization of styrene monomer, producing an exothermic reaction which may generate large amounts of heat and cause combustion. This kaolin product should NOT be added directly to styrene monomer NOR should styrene monomer be directly added to this product. This reaction does not occur when this kaolin product is added to polyester resins containing free styrene. If the formulation requires additional styrene monomer to be added at the end of the mix cycle, the kaolin MUST be fully dispersed in the polyester resin BEFORE the incorporation of the styrene monomer.

Polymerization - Avoid: Do not mix directly with styrene monomer.

11. TOXICOLOGICAL INFORMATION

Information on Product:

Information on Components:

<u>Ingredient</u>	<u>Weight in Product (%)</u>	<u>Acute Toxicity - Oral</u>	<u>Acute Toxicity - Inhalation</u>	<u>Acute Toxicity - Dermal</u>	<u>Acute Toxicity - Other</u>
Kaolin 1332-58-7	~100	Not Available	Not Available	Not Available	Not Available

12. ECOLOGICAL INFORMATION

Information on Product:

Environmental Fate: No data available.

Ecotoxicological Information: No data available.

13. 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/recycling/reclamation procedure. Disposal requirements are dependent on the hazard classification and will vary by location and the type of disposal selected.

14. TRANSPORT INFORMATION

International Transport Regulations:

UN/PIN Number: Not Regulated

US Transportation Regulations:

DOT Classification: Not Regulated

Canadian Transportation of Dangerous Goods (TDG):

TDG Classification: Not Regulated

15. REGULATORY INFORMATION

International Inventories:

United States: This product or its ingredients are listed on or compliant with the TSCA Inventory.
Canada: This product or its ingredients are listed on or compliant with the DSL.
Europe: This product or its ingredients are listed on or compliant with EINECS.
Japan: This product or its ingredients are listed on or compliant with MITI.
Australia: This product or its ingredients are listed on or compliant with AICS.
Korea: This product or its ingredients are listed on or compliant with the ECL.

US Federal Regulations:

<u>Ingredient</u>	<u>Weight in Product (%)</u>	<u>Subject to SARA 313 Reporting</u>
Kaolin 1332-58-7	~100	No

SARA 311/ 312 Hazard Categories:
TO BE DETERMINED

CAA 602 Ozone Depleting Substances (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.

US State Regulations:

16. OTHER INFORMATION

Revision number: 1

Prepared By: Engelhard Corporate Environmental Health & Safety Group

The information in this Material Safety Data Sheet should be provided to all who will use, handle, store, transport, or

otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, management and for persons working with or handling this product. The information presented in the MSDS is premised upon proper handling and anticipated uses, and is for the material without chemical additions/alterations. We believe this information to be reliable and up-to-date as of the date of publication, but make no warranty that it is. Additionally, if this Material Safety Data Sheet is more than three years old, please contact the supplier at the phone number listed in Section 1 to make certain that this sheet is current. Copyright Engelhard Corporation. License granted to make unlimited copies for internal use only. End of MSDS.....