

LYMAN PRODUCTS: RAYTECH DIVISION
SAFETY DATA SHEET

Safety Data Sheet (in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 2015/830), US 29CFR1910.1200, Canada Hazardous Products Regulation

Date Issued: 11/3/15
Date Revised: None
Revision Number: New SDS

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION
AND THE COMPANY/UNDERTAKING**

1.1 Product Identifier

Trade Name Ceramic Finishing Media
Product Number 41-310, 41-313, 41-316, 41-319, 41-328, 41-331

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use: Finishing media

Restrictions on Use: None known

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer: Lyman Products
Raytech Division
475 Smith Street
Middletown, CT 06457 USA
Information Phone Number: (860) 632-2020
E-mail

1.4 Emergency Telephone Number

Emergency Spill Information For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 or
+1 703-527-3887 (collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

The product does not present any hazard as sold. However, during use or handling, respirable dust may be released.

US Hazard Classification (29CFR 1910.1200-2012): This product is not classified as hazardous in accordance with the OSHA Hazard Communication Standard.

GHS/CLP (1272/2008) Classification:

According to European regulations (EC) No 1272/2008, this product is classified as Manufactured Article.

2.2 Label Elements

None Required

2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture

Chemical Name	CAS#	EINECS#	GHS/CLP Classification	% w/w
Kaolin	1332-58-7	310-194-1	Not Hazardous	40 - 50
Aluminum Oxide	1344-28-1	215-691-6	Not Hazardous	10 - 20

Feldspar	68476-25-5	270-666-7	Not Hazardous	10 - 20
Silica	7631-86-9	7631-86-9	Not Hazardous	10 - 20
Talcum	14807-96-6	238-877-9	Not Hazardous	0 - 10
Wollastonite	13983-17-0	237-772-5	Not Hazardous	0 - 10

The exact percentage and composition are a trade secret

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Eye: Do not rub your eyes. Dust particles may cause abrasive eye injury. Flush eyes with water, holding the eyelids apart for several minutes. Get medical attention if irritation occurs and persists.

Skin: Do not rub or scratch. If irritation occurs, wash contact area with soap and water. Get medical attention if irritation or symptoms of exposure develop.

Inhalation: No first aid should be needed. If irritation from dust occurs and persists, get medical attention.

Ingestion: No harmful effects are expected. If symptoms occur, get medical attention.

4.2 Most Important symptoms and effects, both acute and delayed: If dust is generated, it may cause slight mechanical eye and skin irritation, and respiratory irritation. Symptoms would include itching eyes and skin, cough, and nasal congestion.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate medical attention should not be required.

SECTION 5: FIRE AND EXPLOSION DATA

5.1 Extinguishing Media: Use media appropriate the surrounding fire. Use fire-fighting measures that suit the location and surroundings.

5.2 Special Hazards Arising from the Substance or Mixture

Unusual Fire and Explosion Hazards: None known.

Combustion Products: None known.

5.3 Advice for Fire-Fighters:

Special Fire Fighting Procedures: Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Avoid dust formation and inhalation of dust. Seek to ensure ventilation that maintains airborne concentrations below occupational exposure limits. Keep unprotected persons away. Avoid contact with skin, eyes, and clothing; wear suitable protective equipment when needed.

6.2 Environmental Precautions:

Avoid release to the environment. Report spills and releases as required to appropriate authorities.

6.3 Methods and Material for Containment and Cleaning Up:

Pick up material and place into a container for disposal. If dust is present, wet down and collect in a manner to minimize the generation of airborne dusts or vacuum with a high efficiency vacuum cleaner. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air).

6.4 Reference to Other Sections: Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Product is not intended for dry use. Use in accordance with product instructions. Avoid the creation of dusts. Avoid breathing dust.

7.2 Conditions for Safe Storage, Including any Incompatibilities: None specified.

7.3 Specific end use(s): Finishing media.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters: Refer to country-specific legislation for specific requirements where not listed below.

Chemical Name	Exposure Limits
Kaolin	2 mg/ m ³ (Respirable) TWA ACGIH TLV 15 mg/ m ³ (Total dust); 5 mg/ m ³ (Respirable) TWA OSHA PEL 2 mg/ m ³ (Respirable) TWA UK WEL 10 mg/ m ³ (Respirable) TWA France
Aluminum Oxide	15 mg/ m ³ (Total dust); 5 mg/ m ³ (Respirable) TWA OSHA PEL 10 mg/ m ³ (Inhalable); 4 mg/ m ³ (Respirable) TWA UK WEL 4 mg/ m ³ (Inhalable); 1.5 mg/ m ³ (Respirable) TWA DFG MAK 10 mg/ m ³ (Respirable) TWA France 4 mg/ m ³ (Inhalable) TWA China
Feldspar	None established
Silica	6 mg/ m ³ (Inhalable); 2.4 mg/ m ³ (Respirable) TWA UK WEL 4 mg/ m ³ (Inhalable) TWA DFG MAK 2 mg/ m ³ TWA China 4 mg/ m ³ (Inhalable) TWA South Korea
Talcum	2 mg/ m ³ (Respirable) TWA ACGIH TLV 20 mppcf OSHA 1 mg/ m ³ (Respirable) TWA UK WEL 3 mg/ m ³ (Inhalable); 1 mg/ m ³ (Respirable) TWA China 2 mg/ m ³ TWA South Korea
Wollastonite	5 mg/ m ³ (Inhalable) TWA China

8.2 Exposure Controls:

Appropriate Engineering Controls: General exhaust ventilation should be adequate to maintain exposures below occupational exposure limits.

Respiratory Protection: None required for normal use. If needed, an approved dust respirator may be used. Respirator selection and use should be based on contaminant type, form, and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Skin Protection: Impervious gloves are recommended if needed to avoid prolonged contact.

Eye Protection: Safety glasses should be used if eye contact is likely.

Other Protective Equipment: None should be needed under normal use conditions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties

Appearance: Gray solid of varying size and shape.	Vapor Density: Not applicable
Odor: Odorless.	Specific Gravity: 10.2 -10.8
Odor Threshold: Not applicable	Solubility: Insoluble
pH: Not applicable	Octanol/Water Partition Coefficient: No data available
Melting Point/Freezing Point: Not determined	Autoignition Temperature: Not applicable
Boiling Point: Not applicable	Decomposition Temperature: No data available
Flash Point: Not applicable	Viscosity: Not applicable
Evaporation Rate: Not applicable	Explosive Properties: Not an explosive
Flammable Limits: LEL: Not applicable UEL: Not applicable	Oxidizing Properties: Not an oxidizer
Vapor Pressure: Not applicable	Flammability (solid, gas): Not applicable

9.2 Other Information: None available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Not reactive under regular storage and handling conditions.

10.2 Chemical Stability: Stable under regular storage and handling conditions.

10.3 Possibility of Hazardous Reactions: None known.

10.4 Conditions to Avoid: None known.

10.5 Incompatible Materials: None known.

10.6 Hazardous Decomposition Products: None known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects:

Potential Health Effects:

Eye Contact: If dust is generated, it may cause slight mechanical eye irritation. Corneal injury is unlikely.

Skin Contact: If dust is generated, may cause slight mechanical irritation with prolonged or repeated exposure.

Inhalation: If dust is generated, may cause slight nose and throat irritation.

Ingestion: Not expected to be harmful. Ingestion of large amounts may cause gastrointestinal distress.

Acute Toxicity Values:

Kaolin: Not acutely toxic.

Aluminum Oxide: Oral rat LD50 > 15,900 mg/kg; Inhalation rat LC50 7.6 mg/L/ 1 hr.

Feldspar: Not acutely toxic.

Silica: Oral rat LD50 > 5,000 mg/kg; Inhalation rat LC50 > 0.14 mg/L/ 4 hr. (Saturation conc.); Dermal rabbit > 2,000 mg/kg

Talcum: Not acutely toxic.

Wollastonite: Not acutely toxic.

Skin corrosion/irritation: This product is not classified as a skin irritant.

Eye damage/irritation: This product is not classified as an eye irritant.

Respiratory Irritation: This product is not classified as a respiratory irritant.

Respiratory Sensitization: This product is not classified as a respiratory sensitizer.

Skin Sensitization: This product is not classified as a skin sensitizer.

Germ Cell Mutagenicity: This product is not classified as a germ cell mutagen.

Carcinogenicity: None of the components of this product present at 0.1% or greater are listed as carcinogens by OSHA, IARC, NTP, ACGIH and the EU CLP.

Reproductive Toxicity: This product is not a reproductive toxin.

Aspiration Hazard: This product does not present an aspiration hazard.

Specific Target Organ Toxicity:

Single Exposure: No data available

Repeat Exposure: No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available for product. This product is not expected to be hazardous to the environment.

Aluminum Oxide: NOEC: *Lepomis cyanellus* > 50 mg/L/ 96 hr.

Silica: LLO: *Danio rerio* 10,000 mg/L/ 96 hr.

12.2 Persistence and Degradability: No data available.

12.3 Bioaccumulative Potential: No data available.

12.4 Mobility in Soil: No data available.

12.5 Results of PBT and vPvB Assessment: No data available.

12.6 Other Adverse Effects: None known

SECTION 13: DISPOSAL CONSIDERATIONS
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13.1 Waste Treatment Methods:

Dispose in accordance with all local, state and national regulations.

SECTION 14: TRANSPORTATION INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT	None	Not regulated	N/A	N/A	None
Canadian TDG	None	Not regulated	N/A	N/A	None
EU ADR/RID	None	Not regulated	N/A	N/A	None
IMDG	None	Not regulated	N/A	N/A	None
IATA/ICAO	None	Not regulated	N/A	N/A	None

14.6 Special Precautions for User: Not applicable

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:**U.S. FEDERAL REGULATIONS:**

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Not Hazardous

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: This product contains the following substances known to the State of California to cause cancer, birth defects or other reproductive harm: Crystalline Silica CAS# 14808-60-7 At <0.1%

INTERNATIONAL REGULATIONS:

Canadian Environmental Protection Act: All of the components are listed on the Canadian Domestic Substances List.

German WGK: nwg

SECTION 16: OTHER INFORMATION

HMIS Ratings: Health - 0	Flammability - 0	Physical Hazard - 0
NFPA Ratings: Health - 0	Flammability - 0	Instability - 0

Supersedes: None
Date Updated: 11/3/15
Revision Summary: New SDS

GHS Classification for Reference (See Sections 2 and 3):
None

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This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Lyman Products shall not be held liable for any damage resulting from handling or from contact with the above product.