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: 5/16/19
Revision Number: Rev 1

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

1.1 Product Identifier

Trade Name Plastic Finishing Media

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: Huzhou Lucky Bridge Polishing Co., Ltd
258#, Dongbang Road, Huzhou, Zhejiang
China

E-mail Info@masspolishing.com

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 and result in the classification of the product as hazardous.

US Hazard Classification (29CFR 1910.1200-2012):
Carcinogen Category 1A ; Specific Target Organ Toxicity Category Repeat Exposure Category 1; Combustible Dust

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

2.2 Label Elements
Danger!



Hazard Statements	Precautionary Phrases
H350 May cause cancer. H372 Causes damage to lungs through prolonged or repeated exposure. May form combustible dust concentrations in air.	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P308 + P313 IF exposed or concerned: Get medical attention. P405 Store locked up. P501 Dispose of contents and container in accordance with local and national regulations.

2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Chemical Name	CAS#	EINECS#	GHS/CLP Classification	% w/w
Crystalline Silica	14808-60-7	238-878-4	Carcinogen Category 1 (H350) Specific Target Organ Toxicity Category Repeat Exposure Category 1 (H372)	60 - 70
Non-hazardous ingredients	N/A	N/A	Not Hazardous	20 - 35
Aluminum Oxide	1344-28-1	215-691-6	Not Hazardous	05 - 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: Remove to fresh air. 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: The product does not present any hazard as sold. However, during use or handling, respirable crystalline silica dust may be released. Repeated inhalation crystalline silica can cause silicosis, and may cause cancer.

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

SECTION 5: FIRE AND EXPLOSION DATA

5.1 Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or foam.
5.2 Special Hazards Arising from the Substance or Mixture
Unusual Fire and Explosion Hazards: Not classified as flammable or combustible, but will burn under fire conditions. Dust generated in the dry use of this material may present a potential fire and explosion hazard if suspended in air at high

concentrations. Minimize the generation and accumulation of dust.
Combustion Products: Burning can result in the formation of carbon monoxide and carbon dioxide, and oxides of aluminum.

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 conditions that allow dust to form. 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. Do not breathe dust.

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. If a vacuum is used, explosion proof equipment is required. Non-sparking tools should be used. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentrations. 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. Do not breathe 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
Crystalline Silica	0.25 mg/ m^3 (Respirable) TWA ACGIH TLV 10 mg/ m^3 (Respirable) TWA OSHA PEL %SiO_2 + 2 0.1 mg/ m^3 (Respirable) TWA France 1 mg/ m^3 (Inhalable) TWA China 0.05 mg/ m^3 TWA South Korea
Non-hazardous ingredients	None established
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

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: Clothing with long sleeves and pants should be worn to avoid skin contact. Washing facilities should be available in the work area. Work clothing should be laundered separately from normal clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic Physical and Chemical Properties

Appearance: Black solid of varying size and shape.	**Vapor Density:** Not applicable
Odor: Slight characteristic	**Specific Gravity:** 7.8 – 8.4
Odor Threshold: Not determined	**Solubility:** Negligible
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: Hydrogen fluoride.

10.6 Hazardous Decomposition Products: Fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of aluminum.

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:
Crystalline Silica: Oral rat LD50 > 22,500 mg/kg
Non-hazardous ingredients: Not acutely toxic.
Aluminum Oxide: Oral rat LD50 > 15,900 mg/kg; Inhalation rat LC50 7.6 mg/L/ 1 hr.

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: This product contains crystalline silica at 60 – 70%. Crystalline silica is listed as IARC 1: Carcinogenic to humans by IARC; NTP-K Known to be a Human Carcinogen by NTP; and TLV A-2 Suspected Human Carcinogen by ACGIH; 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: Repeated inhalation of crystalline silica can cause silicosis.

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.

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

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 60-70%

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 – 1*	Flammability - 1	Physical Hazard - 0
NFPA Ratings:	Health - 1	Flammability - 1	Instability - 0

*Chronic Health Hazard

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.