GHS SAFETY DATA SHEET
AH-41
Date Prepared: 4 June 2015

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: AH-41
PRODUCT USE: Abrasive media intended for use with metals in wet abrasive applications only.

MANUFACTURER Mass Finishing, Inc.
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Howard Lake, MN 55349

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SECTION 2: HAZARD IDENTIFICATION

United States (US) According to OHSA 29 CFR 1910.1200 HCS

Classification of the Substance or Mixture
SIGNAL WORD WARNING!
Hazard Pictogram
Dust particles may cause eye and respiratory irritation. Dust particles may cause abrasive injury to the eyes.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component	CAS Number	%
Magnesium Aluminum Silicate	1302-88-1	60-90
Aluminum Oxide	1344-28-1	1-20

SECTION 4: FIRST AID MEASURES

Gross Inhalation of Dust	Remove to fresh air; give oxygen or artificial respiration if necessary. Seek immediate medical attention.
Skin Contact	Wash skin thoroughly with soap and water.
Eye Contact	Remove contact lenses if worn. Flush eyes thoroughly with large amounts of running water. If irritation persists, seek medical attention.
Ingestion	Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

SECTION 5: FIREFIGHTING MEASURES

Suitable Extinguishing Media	This product does not burn. Use any media that is appropriate for the surrounding fire.
Special Firefighting Procedures	None needed
Unusual Fire and Explosion Hazards	This product does not burn. However, consideration must be given to the potential fire/explosion hazards from the base material being processed. Many materials create flammable/explosive dusts or turnings when sanded, machined or ground.
Hazardous Combustion Products	None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear gloves as required per job and Safety Glasses or Goggles for eye protection.
Environmental Precautions	Knock down dust with water spray.
Methods for Clean Up	Clean up excess material with broom and shovel to avoid a possible slipping hazard.
Materials NOT to be used for Clean up	Do not use compressed air for clean up.
Reference to other sections	Personal protective equipment: See Section 8. Disposal considerations: See Section 13.

SECTION 7: HANDLING AND STORAGE

Handling: Use only with adequate ventilation. Avoid breathing dust. Wash thoroughly after handling and use, especially before eating, drinking or smoking.

Storage: Store in a dry location.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Guidelines

Hazardous Component	OSHA PEL	ACGIH TLV
Magnesium Aluminum Silicate	N/A	N/A
Aluminum Oxide	15mg/m$^{3\ (total\ dust)}$	1 mg/m^3 (respirable) (as Al metal)

Engineering Controls: Process enclosures, local exhaust or other engineering process controls may be necessary to keep any air contaminants associated with this product within their TLV'S. This is particularly true if user operation generates dust.

Respiratory Protection: As this product is a proprietary mixture of unique ingredients, it does not have an established limit for airborne concentration (PEL or TLV). Furthermore, if this material is used as recommended with solution, it should have limited potential to expose personnel with dusts that would require respiratory protection. The user must review their own circumstances and then determine what is required to establish a respiratory protection program that meets their requirements, within OSHA 1910.134. If workplace conditions warrant respiratory protection, use MSHA/ NIOSH approved units as listed in the current 29 CFR 1910.134 for the existing conditions. Actual respirator selection should be made after consultation with a competent health and safety professional.

Protective Gloves: Optional as needed to prevent skin contact.

Eye Protection: Industrial safety glasses with side shields.

Other Protective Clothing or Equipment: Wear clothing designed to limit direct exposure to product or dusts associated with product. If clothing becomes contaminated, it should be laundered before wearing again. Barrier skin creams may be applied to parts of the body not otherwise protected if worker find this beneficial.

Work/Hygienic Practices: Wash hands thoroughly with soap and water before eating or drinking.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Applicable
Solubility in Water: Insoluble

Vapor Pressure (mm Hg): Not Applicable
Vapor Density (Air = 1): Not Applicable

Specific Gravity (H_2O = 1): 3.01

Evaporation Rate (Butyl Acetate = 1): Not Applicable

Melting Point: Approx. $2{,}400^0$ F

Flash Point: Not Applicable

Flammable Limits:
LEL: Not Applicable

UEL: Not Applicable

Appearance and Odor: White ceramic stones, odorless.

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable under normal storage and use conditions
Incompatibility (Materials to Avoid):	None known
Hazardous Decomposition or Byproducts:	None known
Hazardous Polymerization:	Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Effects This product and its components are not acutely toxic.

Routes of Entry: Inhalation D Skin D Ingestion D

Health Hazards:	Avoid breathing dust. Inhalation of dust may cause irritation of the nose, throat and respiratory passages. Long term exposure may cause severe and permanent damage to the lungs.
Signs and Symptoms of Exposure:	Overexposure to nuisance dusts may cause mucous membrane and respiratory irritation, eye irritation, cough, sore throat, nasal congestion, sneezing, and/or shortness of breath.
Medical Conditions Generally Aggravated by Exposure:	Individuals with pulmonary and/or respiratory disease, including but not limited to asthma and bronchitis or subject to eye irritation, should be precluded from exposure to dust.

SECTION 12: ECOLOGICAL INFORMATION

No ecological information is available for this product. No hazards to the environment are expected from this product. However, consideration must be given to potential environmental effects of the base material being processed.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable local, state/provincial, and federal regulations. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT HAZARDOUS MATERIALS DESCRIPTION

Proper Shipping Name	Not Regulated
UN Number	None
Hazard Class / Packing Group	None
Labels Required	None

SECTION 15: REGULATORY INFORMATION

SARA Section 311/312 Hazard Categories	None of the ingredients are listed.
US Inventory (TSCA 8b)	All components are listed or exempted.
CALIFORNIA PROPOSITION 65:	None of the ingredients are listed.

SECTION 16: OTHER INFORMATION

HMIS Ratings: Health = 0
Flammability = 0
Reactivity = 0
Personal Protection = A (Safety Glasses)

This Safety Data Sheet has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200). Information provided is based upon data believed to be correct, however, no warranty or guarantee, expressed or implied, is made regarding such information.