



Safety Data Sheet (SDS) Vitrified Bonded Abrasive Products

1. IDENTIFICATION

Product identifier: Vitrified Bonded Abrasive Products

Trade Name: Honos or Dressing sticks

Manufacturer: Lisle Corporation
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Clarinda, IA 51632
www.lislecorp.com

Phone Number: 712-542-5101

2. HAZARD (S) IDENTIFICATION

Emergency Overview: Dust may be irritating. May cause delayed lung damage. Low hazard to usual industrial or commercial handling.

Target Organs: Respiratory System

Inhalation: Grinding generates dust. Prolonged exposure to grinding dust may cause respiratory problems or aggravate existing conditions. Inhalation during grinding can cause coughing and shortness of breath. Consideration should also be given to the airborne concentration of the material being ground.

Eye Contact: Dust generated during grinding may irritate eyes.

Skin Contact: Excessive contact with dust may cause temporary irritation.

Ingestion: No known effect but ingestion is not recommended and may produce gastrointestinal irritation and disturbances.

Other: Some grinding operations may cause noise or vibration irritation and may require hearing protection. Grinding stones are not known carcinogen.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures:

Chemical name	CAS #	Concentration
Aluminum Oxide, Non fibrous	1344-28-1	75%-95% by weight
Ceramic Aluminum Oxide / Aluminum Oxide Mineral Blend (non-fibrous)	1344-28-1	10%-25% by weight
Amorphous Silica, Fused	606676-86-1	5% -25% by weight

4. FIRST-AID MEASURES

Inhalation: Remove person to fresh air, and if not breathing, begin mouth to mouth resuscitation. Seek medical attention.

Eye contact: If wearing contact lenses, remove them and flush eyes with water to remove particulates. Seek medical attention.

Skin contact: Brush off excess dust. Wash hands with soap and water.

Others: If hearing problems persist, obtain medical assistance as needed.

5. FIRE-FIGHTING MEASURES

Flash Point: Does not apply

Flammable Limits: None

Extinguishing Media: Any media appropriate for the surrounding fire.

Fire Fighting Equipment: Fire fighters should wear goggles and self-contained breathing apparatus to avoid inhalation of smoke or vapors of surrounding fires.

Fire and Explosion Hazards: None from this product. Consideration must be given to the potential fire/explosion hazards from the material being processed. Many materials create flammable/explosive dust when ground.

6. ACCIDENTAL RELEASE MEASURES

Clean Up: Use normal clean up procedures.

Disposal: Dispose of in accordance with local, state and federal regulations. Containment of this material should not be necessary.

7. HANDLING AND STORAGE

Handling: Do not use at speeds greater than product was made to be used. Inspect stone for damage on arrival and prior to use. Avoid breathing dust. Avoid skin and eye contact with grinding dust. Use in well ventilated area.

Storage: Stones should not be exposed to water or other solvents; any temperature or humidity conditions that causes condensation on the stones or freezing temperatures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: Use NIOSH approved respirators as required to maintain exposure below Threshold Limit Values. (TLV/TWA). See OSHA 29 CFR 1910.134.

Skin Protection: Leather, cloth, rubber, or vinyl gloves as desired by user.

Eye Protection: Safety goggles or safety glasses with side shields are recommended. See OSHA 29 CFR 1910.133.

Hearing Protection: See OSHA 29 CFR 1910.95 concerning hearing protection.

Engineering Controls: Local exhaust ventilation as necessary to keep dust levels below Threshold Limit Values (TLV/TWA).

Other Precautions: Visually inspect all stones before use for possible damage.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: NA

Vapor Density: NA

Freezing Point: NA

PH: Not relevant

Color: Various

Vapor Pressure: NA

Specific Gravity: 1.5 – 3.1

Melting Point: NA

Physical Form: Solid

Odor: None

10. STABILITY AND REACTIVITY

Stability (Conditions to Avoid): This material is stable under normal conditions of transport and storage. Avoid over speed and unsafe use conditions of the grinding wheel.

Incompatibility (Specific Materials to Avoid): Avoid Strong acids and bases.

Hazardous Polymerization: Hazardous polymerization does not occur.

Hazardous Decomposition: Dust are generated in use. In most cases, dust from the work piece will be significantly greater than from the grinding wheel. Coolants may produce other decomposition products.

11. TOXICOLOGICAL INFORMATION

Overexposure to dust may result in irritation of the nose, throat or eyes.

12. ECOLOGICAL INFORMATION

No biodegradation environment information has been found for the product.

13. DISPOSAL CONSIDERATIONS

Use standard landfill methods consistent with applicable Federal, State, Provincial, and local laws.

14. TRANSPORT INFORMATION

Grinding stones are not a DOT hazardous material.

15. REGULATORY INFORMATION

US Federal regulations under the Global Harmonized System (GHS) and Occupational Safety and Health Administration's Hazard Communications, these products are not considered hazardous. This product does not contain and was not manufactured with any Ozone Depleting Chemicals. This product is not subject to SARA 313 reporting.

16. OTHER INFORMATION

This SDS is offered solely to comply with the rule and is not intended to create any liability of any kind on the part of Lisle Corporation. The information and recommendations set forth are taken from sources believed to be accurate. Lisle Corporation, makes no warranty with respect to the accuracy of this information or the suitability of these recommendations to the user thereof. It is the responsibility of the user to investigate and understand pertinent sources of information to comply with all laws and procedures applicable to the safe use and handling of the product and to determine the suitability of the product for its intended use.

HMIS Rating

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

SDS creation date: 02/08/2018

SDS revision: 0

SDS revision date: 02/08/2018

SDS format: ANSI