



Safety Data Sheet (SDS) Vitrified Bonded Abrasive Products

1. IDENTIFICATION

Product identifier: Vitrified Bonded Abrasive Products

Trade Name: Hones or Dressing sticks

Manufacturer: Lisle Corporation
807 East Main Street
Clarinda, IA 51632
www.lislecorp.com

Phone Number: 712-542-5101

2. HAZARD (S) IDENTIFICATION

As sold, this product is a manufactured article. During processing, dust generated has the following hazards.

Classification:

Physical:	Health	Environmental
Not hazardous	Skin irritant Category 2	Not hazardous

Hazards not otherwise classified: None

Symbol(s)



Signal word

Warning

Hazard statement(s)

H315 Causes skin irritation

Precautionary statement(s)

P264 Wash thoroughly after handling

P280 Wear protective gloves

P302+P352 IF ON SKIN: Wash with plenty of water

P332+P313 If skin irritation occurs: Get medical attention

P362+P364 Take off contaminated clothing and wash it before reuse

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures:

Chemical name	CAS #	Concentration
Silicon Carbide	1344-28-1	≤95%
Glass or Glass Porcelain	409-21-2	≤40%

The specific percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation: If exposed to dust from grinding: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical attention if breathing is difficult.

Skin contact: Wash dust from skin with soap and water for several minutes. If irritation occurs, get medical attention. Launder contaminated clothing before reuse.

Eye contact: Do not rub. Flush eyes thoroughly with plenty of water, holding open eyelids. Get medical attention if irritation persists. Obtain immediate medical attention for foreign body in the eye.

Ingestion: If grinding dust is swallowed, seek medical attention.

Most important symptoms/effects, acute and delayed: Contact with dust may cause eye and skin irritation.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is generally not required.

5. FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: Use any media that is appropriate for the surrounding fire.

Specific hazards arising from the chemical: This product is not combustible; however, consideration must be given to the potential fire or explosion hazards from the base material being processed. Many materials create flammable or explosive dusts or turnings when machined or ground.

Special protective equipment and precautions for fire-fighters: Immediate medical attention is generally not required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Wear appropriate respirator and protective clothing as needed to avoid eye contact and inhalation of dust.

Environmental precautions: Avoid contamination of water supplies and environmental release. Report spill as require to authorities.

Methods and materials for containment and cleaning up: Carefully collect dry material, avoiding the creation of airborne dust. Place in a suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling: Avoid breathing dust. Use with adequate ventilation. Avoid eye and skin contact with grinding dust. Wear suitable gloves, eye protection and appropriate protective clothing according to the operation. Wash thoroughly after handling. Consider potential exposure to components of the base materials or coating being ground. Refer to OSHA's substance specific standards for additional work practice requirements where

Conditions for safe storage, including any incompatibilities: Store in accordance with ANSI B7.1. Protect abrasive wheels from damage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Silicon Carbide	0.1 mg/m ³ f/cc(F) TWA ACGIH TL:V (including whiskers) 15 mg/m ³ TWA OSHA PEL (total dust) 5 mg/m ³ TWA OSHA PEL (respirable fraction)
Glass or Glass/Porcelain	None established

Appropriate engineering controls: Use local exhaust or general ventilation as required to minimize exposure to dust and maintain the concentration contaminants below the TLVs.

Individual protection measure, such as person protective equipment:

Respiratory protection: Use NIOSH approved respiration of exposure limits are exceeded or where dust exposure are excessive. Consider the potential for exposure to components of the coating or base material being ground in selecting proper respiratory protection. Refer to OSHA's specific standards for lead, cadmium, etc. where appropriate. Selection of respiratory protection depends on the contaminant type, for and concentration. Select and use respirators in accordance with OSHA 1910.134 and good industrial hygiene practice.

Skin protection: Cloth of leather gloves recommended.

Eye protection: Safety goggles or face shield over safety glasses with side shields.

Other: Protective clothing as needed to prevent contamination of personal clothing. Hearing protection may be required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Solid wheel or hone of various colors. Mostly green or black
Odor: No odor

Odor threshold: Not applicable	pH: Not applicable
Melting point/freezing point: Not applicable	Initial boiling point and boiling range: Not applicable
eFlash point: Non-Combustible	Evaporation rate: Not applicable
Flammability (solid, gas): Not applicable	UEL: Not applicable
Flammable limits: Not applicable	Vapor density: Not applicable
Vapor pressure: Not applicable	Solubility(ies): Very slightly
Relative density: 1.5-3.1	Auto-ignition temperature: Not applicable
Partition coefficient: n-ethanol/water: Not applicable	Viscosity: Not applicable
Decomposition temperature: Not applicable	

10. STABILITY AND REACTIVITY

Reactivity: Not reactive

Chemical stability: Stable

Possibility of hazardous reactions: Will not occur

Conditions to avoid: None known

Incompatible materials: Strong acids and bases

Hazardous decomposition products: Dust from grinding could contain ingredients listed in Section 3 and other potentially more hazardous components of the base material being ground or coating applied to the base material.

11. TOXICOLOGICAL INFORMATION

Likely routes of exposure:

Inhalation: Dust may cause respiratory irritation.

Ingestion: None expected under normal use conditions. Swallowing large pieces may cause obstruction the gastrointestinal tract.

Skin contact: Contact with dust may cause skin irritation.

Eye contact: Dust particles may cause abrasive injury to the eyes.

Chronic effects from short and long-term exposure: Long-term overexposure to respirable dust may cause lung damage (fibrosis) with symptoms of coughing, shortness of breath and diminished breathing capacity. Chronic effects may be aggravated by smoking. Prolonged exposure to elevated noise levels during operations may affect hearing. A greater hazard, in most cases, is the exposure to the dust/fumes from the material or paint/coatings being ground. Most of the dust generated during grinding is from the base material being ground and the potential hazard from this exposure must be evaluated.

Numerical measures of toxicity: This product and its components are not acutely toxic.

Carcinogenicity: None of the components are listed as a carcinogen or potential carcinogen by OSHA, NTP or IRAC.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

Persistence and degradability: Biodegradation is not applicable to inorganic compounds.

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable local, state/provincial and federal regulations. Local regulations may be more stringent than regional and nation 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.

14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	None	Not regulated	None	None	None
TDG	None	Not regulated	None	None	None

Transport in bulk (according to Annex II of MARPOL, 73/78 and the IBC Code):

Special precautions: None identified.

15. REGULATORY INFORMATION

SARA Section 311/312 Hazard Categories: Not applicable (manufactured articles)

SARA Section 313: This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Toxic Chemical Release Reporting).

Components	C.A.S. #	WT %
None	---	---

California Proposition 65: WARNING You create dust when you cut, sand, drill or grind materials such as wood, point, cement, masonry or metal. This dust often contains chemicals known to cause cancer, birth defects or other reproductive harm.

This product has been classified under the CPR and this SDS discloses information elements require by the CPR>

16. OTHER INFORMATION

NFPA Rating: Health = 1 Flammability = 0 Instability = 0

HMIS Rating: Health = 1 Flammability = 0 Instability = 0

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