

Safety Data Sheet

Section 1: Identification and Company Information

Product identity/ Trade Name: *Vitrified Bonded Abrasive Products*
Grinding wheels or Stones

Product Use: Abrasive materials used for cutting and grinding metals, and building materials.

Restrictions On use: Use only as directed

Manufacturer: *Sandusky-Chicago Abrasive Wheel Co.*
532W. 4th Street
Michigan City, In 46360

Internet: www.sanduskychicago.com

Phone Number: 219-879-6601
Fax Number: 219-872-8139
Effective Date: May 11, 2015

Section 2: Hazards identification

Classification: Not classified as hazardous as defined by the GHS and OSHA 29 CFR 1910.1200
Label Elements: None required

Section 3: Composition/Information on Ingredients

May Contain the Following ingredients

Chemical Name	CAS#	ACGIH TLV	OSHA PEL	NIOSH	Carc. Y/N	Max. %
Aluminum Oxide	1344-28-1	10mg/m ³	15mg/m ³	NA	N	95
Silicon Carbide	409-21-2	10mg/m ³	15mg/m ³	10mg/m ³	N	95
Treatment Phenolic Resin	NA	10mg/m ³	NA	NA	N	10
Glass Bond	NA	NA	NA	NA	N	30

Section 4: First Aid Measures

Eyes:	Immediately flush with plenty of water. Get medical attention if irritation persists.
Skin:	Wash skin with soap and water. Get medical attention if irritation persists.
Inhalation:	Move to fresh air.
Other:	If hearing problems persist, obtain medical assistance if necessary.

Section 5: Fire Fighting Measures

Flash Point:	None
Flammable Limits:	None
Extinguishing Media:	Any media appropriate for surrounding the fire.
Fire Fighting Equipment:	Fire fighters should wear goggles and self-contained breathing apparatus to avoid inhalation of smoke or vapors.
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 dusts when ground.

Section 6: Accidental Release Measures

Clean Up:	Use normal cleanup procedures.
Disposal:	Dispose of in accordance with local, state and federal regulations.

Section 7: Handling and Storage

Handling:	Do not use at speeds greater than product was made to be used. Inspect wheel for damage on arrival and prior to mounting on machine. Avoid breathing dust. Avoid skin and eye contact with grinding dust. Use in well ventilated area.
Storage	Wheels should not be exposed to water or other solvents; any temperature or humidity conditions that causes condensation on wheels or freezing temperatures See ANSI B7.1.2.2

Section 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 wheels before mounting for possible damage. Do not operate above maximum operating speed. Always use a guard. Refer to ANSI B7.1 for the "Safety Requirements For the Use, Care Protection of Abrasive wheels"

Section 9: Physical and Chemical Properties	
Boiling Point:	NA
Vapor Pressure:	NA
Vapor Density:	NA
Specific Gravity:	1.5_ 3.1
Solubility in Water:	Very slightly
Freezing Point:	NA
Melting Point:	NA
pH:	Not relevant
Physical Form:	Solid
Color:	Various
Odor:	None

Section 10: Stability and Reactivity	
Stability (conditions to Avoid):	This is stable material. Avoid over speed and unsafe use conditions.
Incompatibility (specific materials To avoid):	Avoid strong acids and bases.
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition:	Dusts are generated in use. In most cases, dusts from the work piece will be significantly greater than from the grinding wheel. Coolants may produce other decomposition products.

Section 11: Toxicological Information
<p>Health Hazards:</p> <p>Ingestion: None expected under normal use conditions. Swallowing large pieces may cause obstruction of the gastrointestinal tract</p> <p>Inhalation: Dust may cause respiratory irritation.</p> <p>Eye: Dust may cause eye irritation. Dust particle may cause abrasive injury to the eyes.</p> <p>Skin: None expected under normal use.</p> <p>Sensitization: This material is not known to cause sensitization.</p> <p>Chronic: Long term over-exposure 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 operation may affect hearing.</p> <p>Carcinogenicity: None of the components is listed as a carcinogen or potential carcinogen by OSHA, NTP, or IARC.</p> <p>Medical Conditions Aggravated by Exposure: Employees with pre-existing respiratory disease may be at risk from exposure.</p> <p>Measures of Toxicity: This product and its components are not acutely toxic. Aluminum Oxide:LD50 Oral rat>5,000 mg/kg, inhalation rat LC50 >7.6mg/L/1hr Silicon Carbide: Oral rat LD50>2000 mg/kg, Dermal rat LD50 >2000 mg/kg</p>

Section 12: Ecological Information
<p>Ecotoxicity:</p> <p>Aluminum Oxide: 96hr LC50 Pimephales promelas 35mg/L</p> <p>Silicon Carbide: No data available</p>

Section 13: Disposal Considerations
<p>Dispose of in accordance with local, state and federal regulations</p>

Section 14: Transport Information				
UN Number	Proper Shipping Name	Hazard Class	Packing Group	Environmental Hazard
DOT None	Not Regulated	None	None	
TDG None	Not Regulated	None	None	

Special Precautions: None identified

Section 15: Regulatory Information
This product does not contain and was not manufactured with any Ozone Depleting Chemicals. This product is not subject to SARA 313 reporting.

Section 16: Other Information
<p>NFPA Rating: health = 1 Flammability = 0 Instability = 0 HMIS Rating: health = 1 Flammability = 0 Physical Hazard = 0</p> <p>Date Previous MSDS: 3/16/2011 Date Revision; 5/11/2015 Changed all sections. Updated format to GHS</p> <p>The information and recommendations set forth are taken from sources believed to be accurate. Sandusky-Chicago Abrasive Wheel Co. makes no warranty with respect to the accuracy of this information or the suitability of these recommendations assumes no liability to any 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.</p>