

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Resinoid Bonded Abrasive Cutting Wheels
Manufacturer Name: Hayes Abrasives, Inc.
Address: 120 Smith Road
P.O. Box 237
Hillsboro, IL 62049
Website: hayes@wamusa.com
Telephone Number: (217) 532-6850
Emergency Number: (217) 532-6850
Fax: (217) 532-6838

SECTION 2: HAZARD(S) IDENTIFICATION

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

Classification:

Physical	Health	Environment
Not Hazardous	Eye Irritant Category 2 Specific Target Organ Toxicity – Single Exposure Category 3	Not Hazardous

Hazards not otherwise classified: None

Symbol(s):



Signal Word: Warning!

Hazard statement(s):

H320 Causes eye irritation
H335 May cause respiratory irritation

Precautionary statement(s):

P260 Do not breathe dust
P264 Wash thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P280 Wear eye protection
P314 Get medical attention if you feel unwell
P501 Dispose of contents in accordance with local, state and federal regulations

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Products may contain any of the following ingredients:

CHEMICAL IDENTITY	CAS NUMBER	PERCENT UP TO:
Aluminum Oxide	1344-28-1	95%
Silicon Carbide	409-21-2	95%
Zirconium Oxide	7440-67-2	90%
Phenolic Resin	9003-35-4	20%
Fiberglass		20%
Cryolite	13775-53-6	20%
Furfuryl Alcohol	98-00-0	10%

SECTION 4: FIRST-AID MEASURES

- Inhalation: If dust from cutting is inhaled, remove the affected person to fresh air. If symptoms persist, get medical attention.
- Ingestion: Accidental ingestion of this material is unlikely. If this does occur, watch person for several days to make sure intestinal blockage does not occur. If symptoms persist, call a physician.
- Skin Contact: Immediately wash skin with soap and water. If irritation develops or persists seek medical attention.
- Eye Contact: Flush eyes with large quantities of water. If irritation persists, obtain medical assistance.

SECTION 5: FIRE-FIGHTING MEASURES

- Flammable Properties: Non Flammable
- Flash Point: None
- Extinguishing Media: Use any extinguishing media appropriate for the surrounding fires
- Protective Equipment: As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Methods for containment: Containment of this material should not be necessary.
- Methods for cleanup: Sweep up for disposal. Avoid creating dusty conditions. Dispose of in accordance with Local, State and Federal regulations.

SECTION 7: HANDLING AND STORAGE

- Handling: Always handle and store wheels in a careful manner.
Always visually inspect all wheels before mounting.
Always check machine speed against the established maximum safe operating speed marked on the wheel.
Always check mounting flanges for equal and correct diameter.
Always use a safety guard covering at least one-half of the cutting wheel.

Storage: No special storage conditions required.

Hygiene Practices: Wear suitable gloves and eye/face protection.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation: Local exhaust ventilation as necessary to keep dust levels below TLVs.

Eye Protection: Goggles or safety glasses with side shields are recommended.

Skin Protection: Protective gloves

Respiratory Protection: Approved dust respirators recommended if TLV is exceeded.

Hearing Protection: As needed

General Hygiene: Maintain good industrial hygiene and safety practices.

Ingredient	Guideline OSHA	Guideline ACGIH TLV
Aluminum Oxide	5mg/m ³ (R) 15mg/m ³ (T)	10mg/m ³
Silicon Carbide	5mg/m ³ (R) 15mg/m ³ (T)	10mg/m ³
Zirconium Oxide	5mg/m ³	5mg/m ³
Cryolite	2.5mg/m ³	2.5mg/m ³
Furfuryl Alcohol	200mg/m ³	200mg/m ³

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: None
Vapor Pressure: None
Vapor Density: None
Specific Gravity: 2.0 – 5.0
Melting Point: None
Evaporation Rate: None
Solubility in Water: None
Appearance and Odor: Gray, Brown, Reddish Brown, Black
May give off rubber odor in use.

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable
Conditions to avoid: Overspeed and unsafe use practices
Hazardous Polymerization: Does not occur
Hazardous Decomposition: Dusts are generated by use. Use of coolants may produce other decomposition products.

SECTION 11: TOXICOLOGICAL INFORMATION

No evidence of toxicity.

None of the ingredients are known carcinogens.

SECTION 12: ECOLOGICAL INFORMATION

Biodegradation: These products show similar degradation rates as phenolic resins.

SECTION 13: DISPOSAL CONSIDERATIONS

Use standard waste disposal methods in accordance with applicable Local, State and Federal regulations.

SECTION 14: TRANSPORT INFORMATION

Not regulated as hazardous material for transportation.

SECTION 15: REGULATORY INFORMATION

None recorded

SECTION 16: OTHER INFORMATION

NFPA Rating: Health = 0	Flammability = 0	Instability – 0
HMIS Rating: Health = 1	Flammability = 0	Physical Hazard = 0

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