

KIMBALL MIDWEST

Specializing in Materials Management

Safety Data Sheet (SDS)

SECTION 1: IDENTIFICATION

Product Name: 87-803 Kimball Midwest Grinding Wheel
Supplier: Kimball Midwest
Address: 4800 Roberts Road
Columbus, OH 43228
Phone: 800-233-1294
Emergency Phone: Chemtrec 800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

Inhalation, Acute: Dust inhalation may cause coughing, shortness of breath, or irritation.
Inhalation, Chronic: Dust inhalation may affect breathing capacity.
Ingestion: No known adverse effects, but ingestion not recommended.
Skin: Not absorbed through skin. Dust may cause irritation/rash to some.
Eye: Dust may irritate eyes.
Other Potential Risks: Grinding may create elevated sound levels, which may affect hearing and may aggravate pre-existing respiratory condition.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS & CHEMICAL IDENTITY (COMMON NAME):	CAS #	%
* Aluminum Oxide (Alumina)	1344-28-1	0% - 95%
* Silicon Carbide (Crystolon)	409-21-2	0% - 90%
* Phenol Formaldehyde (Phenolic Resin)	N/A	2% - 30%
* Sodium Fluoroaluminate (Cryolite)	15096-52-3	0% - 20%
* Fibrous Glass (Fiberglass)	N/A	0% - 20%
* Zirconium Oxide	1314-23-4	0% - 80%
* Iron Pyrite	12068-85-8	0% - 20%
* Sulfur	7704-34-9	0% - 15%
* Calcium Oxide	1305-78-8	0% - 10%
* Iron Oxide	1309-37-1	0% - 5%
* Graphite	7782-42-5	0% - 5%
* Potassium Fluoroborate	14075-53-7	0% - 5%

SECTION 4: FIRST-AID MEASURES

Eye Contact:	Immediately flush eyes with water for at least 15 to 20 minutes. Make sure the dust is completely washed off. Get medical attention, if irritation symptoms develop or persist.
Skin Contact:	Wash skin with soap and rinse plenty of water. Get medical attention if irritation symptoms develop or persist.
Inhalation:	Remove affected person to fresh air. Apply artificial respiration if necessary. Seek medical assistant if affected person is still having trouble breathing.
Ingestion:	If accidentally ingested, contact physician for medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable Property:	Non-flammable
Flash Point:	N/A
Flammable limit:	N/A
LEL:	N/A
UEL:	N/A
Extinguishing Media:	Extinguisher and Water

SECTION 6: ACCIDENTAL RELEASE MEASURES

Step to be taken in case of leaks or spills:	Ventilate area. Normal clean-up procedures. Avoid creating dusty conditions.
Waste disposal method:	Dispose-of in a secured sanitary landfill consistent with applicable Federal, State and Local Laws and Regulations.

SECTION 7: HANDLING AND STORAGE

Handling:	Handle with adequate ventilation (See OSHA 29CFR 1910.94 Ventilation) and 29CFR 1910.1000 (Air Contaminates)
Storage:	Store in dry area, away from heat source. Ideal storage temperature 65-70°F (18-24°C), 50-60% RM
General Hygiene Practices:	Wear proper gloves, eye and face protection.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection:	Specify type, as needed. For approved dust respirators, See OSHA 29CFR 1910.134
Eye and Face Protection:	Always wear safety glasses. Recommended - See OSHA 29 CFR 1910.133 and ANSI Z87.1
Hearing Protection:	Hearing protection as needed. OSHA 29CFR 1910.95
Skin and Hand Protection:	Wear glove and lab coat.
Local Exhaust :	Required to keep dust levels below permissible exposure limits.
Mechanical:	Required to keep dust levels below permissible exposure limits.

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV
*Aluminum Oxide (Alumina)	5mg/m3 respirable fraction 15mg/m3 total dust	1mg/m3 respirable fraction
*Silicon Carbide (Crystolon)	NONE	10 mg/m3 inhalable fraction 3mg/m3 respirable fraction
*Phenol Formaldehyde (Phenolic Resin)	NONE	5 PPM
*Sodium Fluoroaluminate (Cryolite)	2.5 mg/m3	2.5 mg/m3
* Fibrous Glass (Fiberglass)	15mg/m3 total dust, 5mg/m3 respirable fraction	10mg/cu.m total dust, 5mg/m3 respirable fraction
* Zirconium Oxide	5mg/m3	5mg/m3 10mg/m3 Stel
* Iron Pyrite	NONE	NONE
* Sulfur	NONE	NONE
* Calcium Oxide	5mg/m3	2mg/m3
* Iron Oxide	10mg/m3	5mg/m3 respirable fraction
* Graphite	15mppcf	2mg/m3 respirable fraction
* Potassium Fluoroborate	2.5mg/m3	2.5mg/m3

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State Appearance:	Solid	Melting Point:	N/A
Flammability:	Non-flammable	Solubility:	Non-soluble
Odor:	Odorless	Initial Boiling Point:	N/A
Vapor Pressure:	N/A	Flash Point:	N/A
Vapor density:	N/A	Evaporation Rate:	N/A
pH:	N/A	Auto-ignition Temperature:	Not determined
Relative Density:	N/A	Decomposition Temperature	N/A
		& Viscosity:	

SECTION 10: STABILITY AND REACTIVITY

Hazardous Polymerization:	Hazardous polymerization does not occur under normal condition and usage.
Stability:	Stable under normal condition.
Condition to Avoid:	Unspecified.
Hazardous Decomposition:	Dust from grinding could contain ingredients listed in section 3 and other, potentially more hazardous components of the base material being ground or coatings applied to the base material.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:	This product has not been tested for its toxicity.
Ingestion:	No known adverse effects, but ingestion not recommended.
Inhalation:	Dust inhalation may affect breathing capacity.
Skin:	Not absorbed through skin. Dust may cause irritation/rash to some.
Eye:	Dust may irritate eyes.
Other Potential Risks:	Grinding may create elevated sound levels, which may affect hearing and may aggravate pre-existing respiratory condition.
Carcinogenicity:	Silica, Amorphous, Fused - IARC-3, NIOSE-X LD50/LC50 Values are not appropriate or available.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.
Environmental effects: No known significant effects or hazards.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose-of in a secured sanitary landfill consistent with applicable Federal, State and Local Laws and Regulations

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name: Not regulated as hazardous material for transportation.
DOT UN Number: Not regulated as hazardous material for transportation.
Transport Hazard Class: None
Packing Group Number: None
Environmental Hazard: Not regulated as hazardous material for transportation.
Label Required: None

SECTION 15: REGULATORY INFORMATION

HCS Classification: This product is exempted from the regulatory requirement HCS
U.S. Federal Regulations: **SARA 311/312 Hazardous Substances:** Not Applicable
EPA TSCA Inventory: All of the ingredients are listed
California Proposition 65: WARNING: Dust generated from cut, sand, drill or grind materials such as wood, paint, cement, masonry or metal when using this product often contains chemicals known to cause cancer, birth defects, or other reproductive harm.
Canadian WHMIS Classification: This product is exempted from the regulatory. Not a controlled product.
Canadian CEPA: None toxic substances. All of the ingredients are listed on the Canadian DSL.

SECTION 16: OTHER INFORMATION

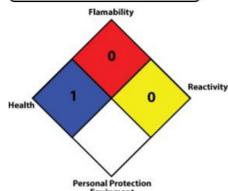
Label Requirement: Not controlled under O.S.H.A and under W.H.M.S. when used according to Industry safety standard.

Hazardous Material Information System (USA):

COATED ABRASIVE	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	B

Hazard Ratings
4- Extreme
3- Serious
2- Moderate
1- Slight
0- Minimal

National Fire Protection Association:



References: ANSI B7.1 and O.S.H.A regulations

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