Safety Data Sheet

Kim-Kut SST Grind and Blend Disc
Revision: 4/1/15

KIMBALL MIDWEST
Specializing in Materials Management

Section 1. Identification

Product name: Kim-Kut SST Grind and Blend Disc 87-1751, 87-1752, 87-1753, 87-1755, 87-1756, 87-1757

Recommended use: Abrasive materials used for grinding and finishing different types of metals.

Restrictions on use: No Restrictions, use as intended.

Manufactured For: Kimball Midwest
Address: 4800 Roberts Road
Columbus, OH 43228

Contact Information: Tel: 800-233-1294

Emergency phone number: 800-424-9300 (Chemtrec)

Date of preparation: April 1, 2015

Section 2. Hazard(s) Identification

Hazard classification: Kim-Kut SST Grind and Blend Discs are considered non-hazardous.
OSHA CHS 29 CRF 1910.1200

Precautionary statements: Always wear appropriate safety gear when using this product.
(*See section 8 for Personal Protective Equipment*)
Refer to ANSI B7.1, *Safety Requirements for the Use, Care and Protection of Abrasive Grinding Wheels.*
Do not handle until all safety precautions have been read and understood.

Supplemental labeling: 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. This dust may present a fire or dust explosion hazard and may present a serious health hazard.

Section 3. Composition / Information on Ingredients

Chemical name	CAS No.	Concentration
Aluminum Oxide	1344-28-1	60 – 75%
Silicon Carbide	409-21-2	60 – 75%
Polychloroprene compound**	N/A	15 - 30%
Nitrile compound**	N/A	15 – 25%
Phenolic abrasive binder**	N/A	5 – 20%
Fiberglass	65997-17-3	1-5%
Cotton	N/A	10 %
Cured epoxy resin	N/A	0 – 1%

**Substance is a compound and/or mixture
Cotton fiber abrasive products may be comprised of only some of the above.

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4. First-Aid Measures

Eyes: Remove contact lenses if present and easy to do. Flush eyes thoroughly with large amounts of water, holding eyelids open. If irritation persists, seek medical attention.
Skin: Wash skin with soap and water. If irritation or other symptoms develop, seek medical attention.
Ingestion: Do not induce vomiting. Rinse mouth with water. Seek medical attention if large amount is swallowed or if you feel unwell.
Inhalation: Move person to fresh air. If breathing is difficult, have qualified personnel administer oxygen. Seek medical attention if irritation or other symptoms persist.

Most important symptoms/effects, acute and delayed: Dust may cause eye and respiratory irritation. Prolonged inhalation of high concentration of dust may cause adverse effects on the lungs. Exposure to dust generated from processing the base material or coatings may present additional health hazards.

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

Section 5. Fire-Fighting Measures

Suitable (and unsuitable) extinguishing media: Use any media that is suitable for the surrounding fire. Do not use water on fires involving metals dusts. Use an appropriate dry powder.

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

Special protective equipment and precautions for fire-fighters: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus.

Section 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. (*See section 8 for Personal Protective Equipment*)

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.

Section 7. Handling and Storage

Precautions for safe handling:
Check all wheels for cracks and or other damage before mounting.
Never exceed the maximum operating speed of the abrasive wheel.
Always check mounting flanges for equal and correct diameter.
Run wheel at operating speed, with guard in place, for at least one minute before use.
Wheels must always be properly guarded.
Always wear appropriate safety gear.
Do not use wheels that have been dropped or otherwise damaged.
Do not use excessive pressure when mounting wheels between flanges.
Do not use heavy side grinding pressure on any Type 1 straight sided wheel.
Do not mount more than one wheel on a single arbor.

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 coatings being ground. Refer to OSHA's substance specific standards for additional work practice requirements where applicable.

Conditions for safe storage, including any incompatibilities: Cotton fiber abrasive products should be stored in a dry area in rooms not subject to extreme temperature changes, since excessive humidity and dampness may affect this product. Never expose cotton fiber abrasives to water or solvents.

Section 8. Exposure Controls / Personal Protection

Exposure guidelines:

Aluminum Oxide	5 mg/m^3 TWA (respirable) OSHA PEL 15 mg/m^3 TWA (total dust) OSHA PEL 1 mg/m^3 TWA ACGIH TLV
Silicon Carbide	5 mg/m^3 TWA (respirable) OSHA PEL 15 mg/m^3 TWA (total dust) OSHA PEL 3 mg/m^3 TWA (respirable) ACGIH TLV 10 mg/m^3 TWA (inhalable) ACGIH TLV
Polychloroprene Compound	Not Established
Nitrile Compound	Not Established
Phenolic Binder	Not Established
Resin Coated Fiberglass	5 mg/m^3 TWA (respirable) OSHA PEL 15 mg/m^3 TWA (total dust) OSHA PEL 5 mg/m^3 TWA (Inhalable) ACGIH TLV 1 f/cc TWA (respirable fraction) ACGIH TLV
Cotton	1 mg/m^3 TWA (respirable) OSHA PEL
Cured Epoxy Resin	Not established

Note: Consider also components of base materials and coatings being ground.

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

Personal Protective Equipment:
Respiratory protection: Not necessary unless workplace concentrations of hazardous constituents exceed the exposure limits. If the exposure levels are excessive and irritation or other symptoms are experienced, an approved respirator should be worn. Consider the potential for exposure to components of the coatings or base material being ground in selecting proper respiratory protection. Refer to OSHA's specific standards for lead, cadmium, etc. where appropriate. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134 and ANSI Z88.2 or other applicable regulations and standards and good Industrial Hygiene practice.
Skin protection: Protective gloves recommended to avoid skin abrasion when handling grinding wheels. Wear protective clothing as required to avoid skin contact when handling.
Eye protection: Use safety glasses with side shields or goggles.
Other: Hearing protection recommended if operation is noisy.

Section 9. Physical and Chemical Properties

Appearance: Solid Article
Color: White, beige or brown in color
Odor: Slight odor may be noticed when in use

Odor threshold: Not available	**pH:** Not applicable
Melting point/freezing point: Not available	**Boiling point:** Not applicable
Flash point: Not flammable	**Evaporation rate:** Not applicable
Flammability (solid, gas): Not flammable	
Flammable limits: LEL: Not applicable	**UEL:** Not applicable
Vapor pressure: Not applicable	**Vapor density:** Not applicable
Relative density: Not available	**Solubility in Water:** Insoluble
Partition coefficient: n-octanol/water: Not applicable	**Auto-ignition temperature:** Not applicable
Decomposition temperature: Not available	

Section 10. Stability and Reactivity

Reactivity: Not reactive under normal conditions of use and storage.
Chemical stability: Stable
Possibility of hazardous reactions: None known.
Conditions to avoid: None known. .
Incompatible materials: None known.
Hazardous decomposition products: None known. Dust from grinding could contain potentially hazardous components of the base material being ground or coatings applied to the base material.

Section 11. Toxicological Information

Acute effects of exposure:
Inhalation: Breathing dust may cause irritation to the nose, throat and upper respiratory tract.
Skin contact: May cause abrasive skin irritation.
Eye contact: May cause abrasive irritation and injury**.**
Ingestion: Not toxic. Swallowing may cause gastrointestinal disturbances or obstruction.

Chronic Health Effects: Prolonged inhalation of respirable dust may cause adverse lung effects, including cancer. 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.

Sensitization: No data available for the product. Not expected to be a skin sensitizer based on human experience.
Germ cell mutagenicity: Unknown
Reproductive Toxicity: Unknown
Carcinogenicity: Unknown

Acute toxicity values:
Aluminum Oxide: LD50 Oral rat >10000 mg/kg; LC50 Inhalation rat >2.3 mg/L/4 hr
Silicon Carbide: LD50 oral rat >2,000 mg/kg; LD50 dermal rabbit >2,000 mg/kg;
Phenolic binder: No acute toxicity data available
Polychloroprene compound: No acute toxicity data available
Nitrile Compound: No acute toxicity data available
Cotton: No acute toxicity data available
Fiberglass: No acute toxicity data available
Cured epoxy resin: No acute toxicity data available

Section 12. Ecological Information

No adverse effects on aquatic organisms are expected. However, consideration must be given to potential environment effects of the base material being processed.

Persistence and degradability: Biodegradation is not applicable to inorganic substances.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Other adverse effects: None known.

Section 13. Disposal Considerations

Dispose in accordance with all local, state and national regulations. Local regulations may be more stringent than regional and national 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.

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	

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None identified.

Section 15. Regulatory Information

Safety, health, and environmental regulations specific for the product in question:

EPA SARA 313: None

California Proposition 65: Substances compound(s) known to the state of California to cause cancer and/or reproductive toxicity and subject to warning and discharge requirements under the "Safe Drinking Water and Toxic Enforcement Act of 1986" None

EPA TSCA Inventory: This product meets the definition of an article and is exempt from the TSCA inventory requirements.

Section 16. Other Information

SDS Revision History: New SDS
Date of preparation: April 1, 2015
Date of last revision: May 20, 2015

DISCLAIMER

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Kimball Midwest shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.