

K-T INDUSTRIES, INC.
P.O. Box 123, Sheldon, Iowa 51201
Tel: 712-324-5361, Fax: 712-324-2930

SAFETY DATA SHEET (SDS)

DATE: 11/2/2015
APPROVED BY: Gavin Greiwe

SECTION 1 - PRODUCT IDENTIFICATION

Name & Address: K-T Industries, Inc. P.O. Box 123 Sheldon, Ia 51201	Emergency Telephone Number: 712-324-5361
Chemical Name & Synonyms: Flap Disc	Trade Name & Synonyms: Flap Disc

SECTION 2 - HAZARDS IDENTIFICATION

Potential Health Effects

Eye: Dust may cause slight irritation.

Skin: Dust from this product may cause temporary mechanical irritation.

Inhalation: Dust from this product may cause mechanical irritation of the nose, throat, and respiratory tract.

Ingestion: Ingestion of this product may produce gastrointestinal irritation and disturbances.

Chronic Health Effects: Chronic health effects are not expected as long as good hygiene and proper safe precautions are practiced.

Hazard Status: This product is classified as non hazardous under OSHA HCS 29 CFR 1910.12

SECTION 3 - COMPOSITION

<u>Ingredients:</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Aluminum Oxide	1344-28-1	15mg/m ³	5mg/m ³
Zirconium Oxide	1314-23-4	5mg/m ³	5mg/m ³
Ceramic A/O	1344-28-1	15mg/m ³	5mg/m ³
Cryolite	15096-52-3	NI	NI
Epoxy Resin	N/A	NI	NI
Calcium Carbonate	N/A	NI	NI

SECTION 4 - FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15-20 minutes. Obtain medical attention.

Skin Contact: Immediately wash skin with soap and water. If irritation develops or persists, obtain medical attention.

Inhalation: Terminated exposure and remove to fresh air. Obtain medical attention.

Acute Symptoms: May cause coughing and shortness of breath, skin irritation and eye irritation.

Chronic Symptoms: Decreased lung capacity.

SECTION 5 - FIRE-FIGHTING MEASURES

Extinguishing Media: Use any media that is appropriate for the surrounding fire

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

Special Procedures: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

Protective Equipment: OSHA or NIOSH approved dust respiratory and gloves are required.
Procedures: Normal cleanup procedures should be used if material is released.
Containment: Pick up, sweep up or vacuum and place in trash.

SECTION 7 - HANDLING AND STORAGE

Handling and Storage: Handle with care. Store dry at 20 C, 55-60% humidity. Physical damage must be prevented. If damage is suspected, a 100% inspection of all items must be taken.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

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Cryolite	15096-52-3	NI	NI
Epoxy Resin	N/A	NI	NI
Calcium Carbonate	N/A	NI	NI

Protective Equipment

Respiratory: OSHA or NIOSH approved dust respiratory is required.
Skin: Cloth or leather gloves are recommended.
Eyes: Safety goggles or face shield over safety glasses with side shields.
Ears: Hear protection, see OSHA 29 CFR 1910.215
Other: Protective clothing as needed to shield from heavy spark showers.

SECTION 9 - PHYSICAL CHEMICAL PROPERTIES

Boiling Point (degrees F.)	N/A
Vapor Pressure (mm HG)	N/A
Vapor Density (Air = 1)	N/A
Solubility in Water	The paper label has slight water solubility
Specific Gravity (H2O = 1)	Varies
Percentage Volatiles by Volume (%)	Zero
Evaporation Rate (H2O = 1)	N/A
Appearance and Odor	Solid fiberglass disc coated with flaps of abrasive cloth; no odor

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable
Conditions to Avoid: None known
Incompatibility (Materials to Avoid): None
Hazardous Decomposition Products: During use, grinding dust is generated
Hazardous Polymerization: Will not occur

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SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity Data:

<u>Chemical</u>	<u>Route of Exposure</u>	<u>Acute LD50</u>
Aluminum Oxide	oral	>5000 mg/kg (rat)
Zirconium Oxide	oral	>8800 mg/kg (mouse)
Ceramic A/O	oral	>2.3 mg/l (LC50)
Cured Resin	N/A	N/A
Cloth	N/A	N/A
Fiberglass	N/A	N/A
Cryolite	oral	>5000 mg/kg (rat)

Toxicological Effects

Dust Inhalation:	Coughing and shortness of breath, aggravation, decreased lung capacity
Ingestion:	Large quantity consumption may cause obstruction of the gastrointestinal tract.
Absorption:	N/A
Skin Contact:	May cause skin irritation or abrasions.
Eye:	Dust or fumes may cause eye irritation.
Carcinogenicity:	None known

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity was found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method: Material should be disposed of in a secured, sanitary landfill in accordance with federal, state and local regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name: Not regulated as hazardous material for transportation.
DOT Shipping Number: Not regulated as hazardous material for transportation.
IATA Shipping Name: Not regulated as hazardous material for transportation.

SECTION 15 - REGULATORY INFORMATION

California Proposition 65:

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

SECTION 16 - OTHER INFORMATION

SDS Creation Date: April 23, 2013
SDS Revision Date: November 3, 2015
Revision Summary: Changed all sections. Updated format to GHS.

Company Note

The information and recommendations set forth herein are taken from sources and references believed to be accurate and complete as of the date thereof. However, K-T Industries, Inc. makes no expressed or implied warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.