

SAFETY DATA SHEET (SDS)
SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

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Product Name: BZX Sanding Belts - Zirconia
Product Number: 5100575, 5100577, 5100579

Emergency phone number: CHEMTELL - 800-255-3924

SECTION 2: HAZARDS IDENTIFICATION

Hazards :! Extremely low.
 Harmful effects : Dust from polishing may cause mechanical eye irritation or mechanical skin irritation.
 Inhalation of the dust from polishing may cause irritation of the respiratory system.
 Environmental effects :! Dust from polishing may cause dirtying of working surroundings.

[GHS Classification] (Composition of pure substance)

Refer attached list

[GHS Label elements] (Composition of pure substance)

Refer attached list! Cautionary Statement

Refer below 4~8, 13 for Personal Protection, First Aid Measures, Handling,!
 Storage and Disposal Considerations.

SECTION 3: COMPOSITION AND INGREDIENTS

Specific of the material
 Single product or Mixture : Mixture

Component information table

Ingredient	Chemical formula or! Constitutional formula	Number (*1)	CAS No.	Contents (%)
Aluminum Oxide	Al ₂ O ₃	189	1344-28~1	15~40
Zirconium Oxide	ZrO ₂		1314-23~4	5~15
Calcium Carbonate	CaCO ₃		471-34~1	5~10
Cryolite	Na ₃ AlF ₆		13775-53~6	5~15
Resin Hardener			None	20~30
Backing (Blended fabric of Cotton and Polyester)			None	10~30

(*1) Number is referred to "name of dangerous and hazardous substances to be notified"! of article 9 listed in the order for enforcement of the industrial safety and health law.

SECTION 4: FIRST AND MEASURES

Inhalation : Remove person to fresh air. If signs/symptoms develop, get medical attention.! Wash
 Skin Contact : affected area with soap and water. If signs/symptoms develop,
 get medical attention.
 Eye Contact : Flush eyes with large amounts of clean water. Do not push or scratch
 your eyes. If signs/symptoms develop, get medical attention.
 If Swallowed : Drink large amount of water and vomit. If signs/symptoms develop,
 get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing method : Cut off the Combustion source. Use fire extinguishers with extinguishing agents.

Extinguishing Agents : Water, Foam, Extinguishing Powder, Carbon Dioxide

Extinguishing agents not recommended to use : No available data

SECTION 6: LEAKAGE MEASURES

Precaution for Body : In case of eye contact, flush eyes with large amounts of clean water.

Protective Equipment and Emergency Case : Wear protective equipment (Safety Glasses, Respirator, Protective Clothing) when collecting the dust. After procedure, hands must be washed

Precaution for Environment : None

SECTION 7: HANDLING AND STORAGE

Handling : Created dust must be exhausted.

Storage : Store at room temperature and humidity

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Control and Exposure Limit

Ingredient	Chemical formula or Constitutional formula	CAS No.	Exposure Control	Exposure Limit TLV-TWA
Aluminum Oxide	Al ₂ O ₃	1344-28~1	No setting	10 mg/m ³ Asbestos are not contained. Silica particulate under 1 % of Crystalline Silica
Zirconium Oxide	ZrO ₂	1314-23~4	No setting	10 mg/m ³
Calcium Carbonate	CaCO ₃	471-34~1	No setting	No setting
Cryolite	Na ₃ AlF ₆	13775-53~6	No setting	No setting
Resin Hardener		None	No setting	No setting
Backing (Blended fabric of Cotton and Polyester)		None	No setting	No setting

Equipment measures : As the dust proof, provide the dust collector or appropriate exhaust ventilation.

The dust collector may absorb the sparks generated during polishing and is a fire hazard. Take a measure not to absorb the sparks.

Personal protective equipment : The workers must wear the following protective equipment.

Respiratory Protection : Wear the protective mask with the verified full face filter or half face filter based on the legal regulation and the dust concentration.

Hand Protection : Wear the protective gloves with spark resistant.

Eye Protection : Wear the safety side shield glasses or full protection type dust-proof goggles.

Body Protection : Wear the clothes which can avoid the direct contact with the dust created during the polishing work.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

General Physical Form : Colored, Solid

Solubility in water : Insoluble

Boiling point : -

Melting point : -

Solubility : -

Flash Point : -

Ignition Point : -

Flammable Limits (LEL) : -
(UEL) : -

Odor : -

Vapor Pressure : -

Specific Gravity : -

Volatile : -

Decomposition point : -

Other : -

SECTION 10: STABILITY AND REACTIVITY

Stability•Reactivity: Stable

Materials and conditions to avoid : No known effect

Hazardous decomposition or by products : Carbon monoxide, Carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

Inhaling the dust for long period of time, it may damage lung.

Refer attached hazardous information of component for pure substance.

SECTION 12: ECOLOGICAL INFORMATION

Persistence / Degradability : No known effect

Bioaccumulation : No known effect

Mobility in soil : No known effect

SECTION 13: DISPOSAL CONSIDERATIONS

Residues : Disposal should be in accordance with applicable regional, national and local laws and regulations.

Consult Waste Management Authority for dispose of contents/container

SECTION 14: TRANSPORT INFORMATION

International restriction

Marine transportation information : Not applicable

Aviation transportation information : Not applicable

Domestic restriction

Rail and road transportation information : Not applicable

Marine transportation information : Not applicable

Aviation transportation information : Not applicable

Precautionary transport measures

Make sure that no leakage and no damage on the package.

SECTION 15: REGULATORY INFORMATION

Industrial Safety and Health Law(Japan)

Ordinance on Prevention of Dangers Due to Dust (Japan)

PRTR(Japan) : Not applicable

Poisonous and Deleterious Substances Control Law : Not applicable

SECTION 16: OTHER INFORMATION

This information only concerns the above-mentioned product and does not need to be valid if used with others or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

GHS CLASSIFICATION

Relevant Ingredient	Aluminum Oxide	Cryolite
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Physical and Chemical Hazards

Explosives	Not classified	Not classified
Flammable gases	Not classified	Not classified
Aerosols	Not classified	Not classified
Oxidizing gases	Not classified	Not classified
Gases under pressure	Not classified	Not classified
Flammable liquids	Not classified	Not classified
Flammable solids	Not applicable	Not applicable
Self-reactive substances and mixtures	Not classified	Not classified
Pyrophoric liquids	Not classified	Not classified
Pyrophoric solids	Not classified	Not classified
Self-heating substances and mixtures	Not classified	Not classified
Substances and mixtures, which in contact with water, emit flammable gases	Not classified	Not classified
Oxidizing liquids	Not classified	Not classified
Oxidizing solids	Not applicable	Classification not possible
Organic peroxides	Not classified	Not classified
Corrosive to metals	Classification not possible	Classification not possible

Health Hazards

Acute Toxicity (Oral)	Not applicable	Not applicable
Acute Toxicity (Skin/Dermal)	Classification not possible	Not applicable
Acute Toxicity (Gas)	Not classified	Not classified
Acute Toxicity (Vapour)	Classification not possible	Classification not possible
Acute Toxicity (Dust)	Classification not possible	Classification not possible
Acute Toxicity (Mist)	Classification not possible	Classification not possible
Skin Corrosion / Irritation	Classification not possible	Not applicable
Serious Eye Damage/Irritation	Classification not possible	Not applicable
Respiratory Sensitizer	Classification not possible	Classification not possible
Skin Sensitizer	Classification not possible	Classification not possible
Germ Cell Mutagenicity	Classification not possible	Classification not possible
Carcinogenicity	Not classified	Classification not possible
Toxic to Reproduction	Classification not possible	Classification not possible
Specific Target Organ Systemic Toxicity following Single Exposure	Division 3 (Irritation of Respiratory Tract)	Division 3 (Irritation of Respiratory Tract)
Specific Target Organ Systemic Toxicity following Repeated Exposure	Division 1 (Inhale:Lung)	Division 1 (Inhale:Lung)
Aspiration Hazards	Classification not possible	Classification not possible

Environmental Hazard

Acute Hazards to the Aquatic Environment	Classification not possible	Division 2
Chronic Hazards to the Aquatic	Classification not possible	Not classified

GHS label elements

Pictograms	  
Hazard statements	Danger
Hazardous information	Irritation to Respiratory. Long Term or Repeated Exposure of Lung Damage