



Zibo MFW

Material
for
Flapwheels

Data Sheet

Company: KLINGS
 PO Box
 2555 Tai
 Hickory I
 tel.
 fax.

Product name: ALUMINUM OXIDE COATED ABR

Date of issue : January 01, 2005

1. Substance / preparation

Product name: Aluminum Oxide Coated Abrasive

2. Composition / Information on Ingredients

SUBSTANCE DESCRIPTION	PERCENT	CAS#
Aluminum Oxide, Non-fibrous	15.000- 25.000	1344-28-1
Cloth or Paper Backing	45.000- 55.000	N/A
Binder System **	5.000- 27.000	N/A
Zinc Stearate(*)	3.000- 13.000	557-05-1

** SUBSTANCE IS A COMPOUND AND/OR MIXTURE

OTHER

(*) This substance is regulated under section 313 of the Emergency Planning and Community Right - to - Know Act of 1986 and the Canadian National Pollution Reduction Initiative(NPRI).

3. Hazards Identification

INHALATION ACUTE EXPOSURE EFFECTS: Dust may be slightly irritating to eyes and respiratory tract at high concentrations.

INHALATION CHRONIC EXPOSURE EFFECTS: Chronic: May affect breathing capacity. For products containing phenol/formaldehyde resin, dust generated from intended use may contain trace amounts of phenol and formaldehyde which under excessive exposure may cause skin sensitization and airway obstruction. For products containing inorganic fluorides, excessive exposure to inorganic fluorides have been shown to increase bone density.

EYE CONTACT ACUTE EXPOSURE EFFECTS: Dust may irritate eyes.

SKIN CONTACT ACUTE EXPOSURE EFFECTS: Some may experience skin irritation from dust.

INGESTION ACUTE EXPOSURE EFFECTS: No known adverse effects, but ingestion not recommended.

4. First Aid Measures

INHALATION: Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.

SKIN CONTACT: Wash affected areas with soap and water. Obtain medical assistance.

EYE CONTACT: Wash with large amounts of water. Obtain first aid and medical assistance, if needed.

INGESTION: Call poison control center, hospital emergency room or physician immediately.

5. Fire Fighting Measures

FIRE FIGHTING PROCEDURES: Not Applicable
HAZARDOUS PRODUCTS/COMBUSTION: None.
HAZARD RATING SOURCE: NFPA
HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0
OTHER

6. Accidental Release Measures

CLEAN-UP: Follow normal clean up procedures.

7. Handling and Storage

HANDLING: Handle with adequate ventilation for nuisance dust.

8. Exposure Controls / Personal Protection

VENTILATION PROTECTION: Recommend using local exhaust ventilation when general ventilation is not keeping the airborne concentration below the TLV.

RESPIRATORY PROTECTION: Respirators are required when airborne contaminant levels exceed the TLV(s).

EYE PROTECTION: Always WEAR SAFETY GLASSES or some type of eye protection while sanding.

OTHER PROTECTION: Use of this product may create elevated sound levels. Hearing protection should be worn where required (see OSHA 29 CFR 1910.134 and other applicable regulations).

9. Physical and Chemical Properties

APPEARANCE & ODOR: Solid article. Odorless.

10. Stability and Reactivity

INCOMPATIBILITIES: Avoid acids of all types with a pH < 4.0.

DECOMPOSITION: In use, dust and decomposing odors may be generated. In most cases, the material removed from the workplace will be significantly greater than the sandpaper components.

11. Toxicological Information

CARCINOGENICITY: Not Applicable

LD50/LC50: Values are not appropriate or available.

12. Ecological Information

CHEMICAL FATE: Not Applicable



13. Disposal Considerations

WASTE DISPOSAL: Use standard landfill methods consistent with applicable Federal, State, Provincial and local laws.

14. Transport Information

HAZARD CLASS: This product is not hazardous as defined by the Department of Transportation.(USA) This product is "Not Regulated" under the Transportation of Dangerous Goods Act. (CAN)

15. Regulatory Information

SUBSTANCE DESCRIPTION	EXPOSURE LIMITS/REGULATORY INFORMATION			
	UNITS	OSHA	ACGIH	MOL
Aluminum Oxide, Non-fibrous	MG/M3	15.0000	10.0000	10.0000
Cloth or Paper Backing	PPM	0.0000	0.0000	0.0000
Binder System	PPM	0.0000	0.0000	0.0000
Zinc Stearate(*)	MG/M3	10.0000	10.0000	10.0000

LEGEND:

EXPOSURE LIMIT DESCRIPTIONS

CA PROP 65

Not Applicable

TSCA

Section 8(b) - Inventory Status

All components of this product are registered under the regulations of the Toxic Substance Control Act.

DOMESTIC SUBSTANCE LIST: All components of this product are found on the Domestic Substance List.

16. Other Information

KEY TO ABBREVIATIONS:

EQ=Equal

LT=Less Than

GT=Greater Than

AP=Approximately

TR=TRace

ND=No Data available

DISCLAIMER: The information and recommendations set forth herein are taken from sources believed to be accurate as of the date hereof; however, the Company makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.



Epoxy
for
Flapwheels

MATERIAL SAFETY DATA SHEET

REVISION DATE: 12-09-2006

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY INFORMATION

Jinan Taihedingxin Resin Company
Xinhuang Road 16, Tianqiao, Jinan
Phone: 86 531 8591 3268 Fax: 86 531 85936134

PRODUCT INFORMATION

PRODUCT NUMBER: PurFeet349
PRODUCT DESCRIPTION: Hot melt moisture cure adhesive

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Unlisted ingredients are not 'hazardous'.

Chemical Name
Diphenylmethane
Diisocyanate

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Contact with molten product will cause thermal burns. May cause allergic skin reaction. Vapors/fumes may be irritating at application temperatures. May cause an allergic respiratory reaction.

EYE: No irritation hazard in normal industrial use. Exposure to hot material may cause thermal burns.

SKIN: No irritation hazard in normal industrial use. Contact with product at elevated temperatures can result in thermal burns.

May cause sensitization.

INHALATION: Can cause minor respiratory irritation. Vapors may have an offensive odor that may cause headaches, nausea, and vomiting.

May cause allergic respiratory reaction.

At room temperature, MDI vapors are minimal due to low vapor pressure. If product is heated or if an aerosol/mist is generated, airborne concentrations may be reached that cause irritation or other adverse effects.

SECTION 4: FIRST AID MEASURES

IF IN EYES: None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard. For hot product, immediately flush eyes with plenty of water for at least 20 minutes. Get immediate medical attention.

IF ON SKIN: Wash with soap and water. For hot material, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean gauze and do not attempt to remove the material yourself. Get prompt medical attention. Medical personnel: coat with mineral oil to soften material for removal.

IF VAPORS INHALED: Remove to fresh air. Call a physician if symptoms persist. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

IF SWALLOWED: Don't induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: > 204 C (400 F) Cleveland Closed Cup

AUTOIGNITION TEMPERATURE: Not established

LOWER EXPLOSIVE LIMIT (% in air): Not established

UPPER EXPLOSIVE LIMIT (% in air): Not established

EXTINGUISHING MEDIA: A solid stream of water may scatter molten product.
Use water spray, foam, dry chemical or carbon dioxide.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Material will burn in a fire.

SPECIAL FIRE FIGHTING INSTRUCTIONS: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

HAZARDOUS COMBUSTION PRODUCTS: Carbon dioxide, Carbon monoxide
Hydrogen cyanide Nitrogen containing gases.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION: Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred

CLEAN-UP: Allow molten material to solidify before disposal.

SECTION 7: HANDLING AND STORAGE

Handling: Harmful or irritating material. Avoid contacting and avoid breathing the material. Prevent contact with molten product.

Storage: Store in a cool, dry area.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECT

EYE PROTECTION: Wear safety glasses when handling this product.

SKIN PROTECTION: Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and exposed areas with mild soap and water before eating, drinking when leaving work. When material is heated, wear thermally insulating gloves to protect against thermal burns.

GLOVES: Thermally insulating.

RESPIRATORY PROTECTION: Respiratory protection may be required to avoid overexposure when handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.

Respirators should be selected by and used following requirements found in WIOSH.

VENTILATION: Use local exhaust ventilation or other engineering controls to minimize exposures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

COLOR: White Opaque

ODOR: Neutral

ODOR THRESHOLD: Not established

SPECIFIC GRAVITY: 1.05g/cm³

PH: Not established

BOILING POINT (deg. C): Not established

FREEZING/MELTING POINT (deg. C): 50~80

VAPOR PRESSURE (mm Hg): Not established

VAPOR DENSITY: Not established

EVAPORATION RATE: Not established

OCTANOL/WATER COEFFICIENT: Not established

SECTION 10: STABILITY

STABILITY: Stable under normal conditions

CHEMICAL INCOMPATIBILITY: Water Alcohols Amines Strong acids Strong alkalies

SECTION 11: TOXICOLOGICAL INFORMATION

No health information available.

SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available

SECTION 13: DISPOSAL CONSIDERATIONS

Consult state, local or provincial authorities for more restrictive requirements.

SECTION 14: TRANSPORTATION INFORMATION

This product is not infectant while shipping.

SECTION 15: ADDITIONAL INFORMATION