

# MATERIALS SAFETY DATA SHEET

## SECTION 1 – PRODUCT IDENTIFICATION AND USE

**PRODUCT IDENTIFIER:** Aluminum Oxide Belts  
**TRADE NAME :** HERMES

**PRODUCT IDENTIFICATION NUMBER:** 12 50 00 To 12 50 13

**DISTRUBUTOR'S NAME:** MICRO STAR 2000 INC.  
**DISTRUBOTOR'S ADDRESS:** 225 Bradwick Drive, Unit 21  
Concord, Ontario, Canada  
L4K 1K7

**EMERGENCY PHONE NUMBER:** 905-660-1754

## SECTION 2 – HAZARDOUS INGREDIENTS

<b>Components:</b>	<b>% by Wt.</b>	<b>LTV (TWA)</b>
Aluminum Oxide	11 – 54	10 mg/m3
Total nuisance dust		15 mg/m3

### Physical Data

Boiling Point	N/A	Specific gravity	N/A
Vapor pressure	N/A	Percent volatile by Vol.	N/A
Vapor density	N/A	Evaporation rate	N/A

**Solubility in water:** Not soluble

**Appearance and odor:** Solid, may release a weak odor of phenolic resin

**Chemical Name and Synonyms:** Compounded tool – coated abrasive

**Chemical Family:** Dressed cotton cloth and cured phenolic resin

**Formula:** Grain; Al<sub>2</sub>O<sub>3</sub>

**WHMIS:** Not controlled under WHMIS (Canada)

## SECTION 3 – PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE & ODOR:** Solid article. Odorless

## SECTION 4 – FIRST AID MEASURES

**GENERAL:** In all causes of doubt seek medical attention.

**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.

## SECTION 5 – FIRE FIGHTING MEASURES

### FIRE AND EXPLOSIONS HAZARD DATA

Flash point	N/A
Flammable limits	N/A
Unusual fire and explosion hazards	N/A

### FIRE FIGHTING PROCEDURES

Hazard Rating	N/A	Hazardous	N/A
Source	N/A	Flammability	0
Health	1	Other	
Reactivity	0		

**SPECIAL FIRE FIGHTING PROCEDURES:** Resin binder will decompose and may release a small amount of phenol and formaldehyde. Use respiratory protection. Extinguishing media water, CO2

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

**SPILL:** In case of Spill or Leak Follow normal clean up procedures

## SECTION 7 – HANDLING AND STORAGE

**STORAGE:** For Storage Recommended conditions: 20 (+ - 2) C, 55-56% Relative Humidity.  
A large stock may release a weak odor of phenolic resin.  
Precautions to be taken in handling and storing, handle with care. Product may cause cuts or abrasions.  
Handle with adequate ventilation for nuisance dust

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>INHALATION ACUTE EXPOSURE EFFECTS:</b>	Dust may be slightly irritating to eyes and respiratory tract at high concentrations.
<b>INHALATION CHRONIC EXPOSURE EFFECTS:</b>	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 has been shown to increase bone density.
<b>EYE CONTACT ACUTE EXPOSURE EFFECTS:</b>	Dust may irritate eyes.
<b>SKIN CONTACT ACUTE EXPOSURE EFFECTS:</b>	Some may experience skin irritation from dust.
<b>INGESTION ACUTE EXPOSURE EFFECTS:</b>	No know adverse effects, but ingestion not recommended.
<b>VENTILATION PROTECTION:</b>	Recommend using local exhaust ventilation when general ventilation is not keeping the airborne concentration below the TLV.
<b>RESPIRATORY PROTECTION:</b>	Respirators are required when airborne contaminant levels exceed the TLV (s).
<b>EYE PROTECTION:</b>	Always WEAR SAFETY GLASSES or some type of eye protection while sanding.
<b>OTHER PROTECTION:</b>	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).

**SECTION 9 – 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.

**SECTION 10– TOXICOLOGICAL INFORMATION**

**CARCINOGENICITY:** Not Applicable

**LD50/LC50** Values are not appropriate or available.

**SECTION 11 – ECOLOGICAL INFORMATION**

**CHEMICAL FATE:** Not-Applicable

**SECTION 12 – DISPOSAL CONSIDERATIONS**

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

**SECTION 13 – 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)

**SECTION 14 – REGULATORY INFORMATION**

**EXPOSURE LIMITS/REGULATORY INFORMATION**

SUBSTANCE DESCRIPTION	UNITS	OSHA	ACGIH
MOL			
Cloth or Paper Backing	PPM	0.0000	0.0000
0.0000			
Silicon Carbide	MG/M3	10.0000	10.000
10.0000			
Cured Phenol Formaldehyde Resin	PPM	0.0000	0.0000
0.0000			
Animal Glue Bond	PPM	0.0000	0.0000
0.0000			
Cured Urea Formaldehyde Resin	PPM	0.0000	0.0000

**LEGEND:** Exposure limit descriptions  
**CA PROP 65:** Not Applicable  
**TSCA:** Section 8 (b) – Inventory Status  
**DOMESTIC SUBSTANCE LIST:** All components of this product are found on the Domestic Substance List.  
All components of this product are registered under the regulations of the Toxic Substance Control Act.

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### SECTION 15 – OTHER INFORMATION

**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.

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### SECTION 16 – PREPARATION OF MATERIALS SAFETY DATA SHEET

PREPARED BY: R. Dickertmann PHONE NUMBER: 905-660-1754 DATE: August 15, 2006