

SAIT Abrasivi MSDS #1
Coated Abrasives (1/02)**MATERIAL SAFETY DATA SHEET**

Product Identity / Trade Name: Coated Abrasives - Resin over Resin, Cotton Cloth, Fiber, Polyester Backing or Paper, Cloth or Paper Sheets, Jumbo Rolls, Paper Stearate Rolls

Manufacturer: SAIT Abrasivi
Strada Pianezza
Torino, Italy 10040

Distributor: SAIT Overseas Trading and
Technical Corporation
P.O. Box 673, Route 66
Willimantic, CT 06226

MSDS Date of Preparation: January 15, 2002

Information Phone: (860) 456-4167 **Emergency Phone:** (860) 456-4167

COMPOSITION:

Hazardous Component	CAS#	OSHA PEL	ACGIH TLV	%
Aluminium Oxide	1344-28-01	15 mg/m3*	10 mg/m3	10 - 50
and/or Silicon Carbide	409-21-2	15 mg/m3*	10 mg/m3	15 - 40
and/or Zirconium Oxide	1314-23-4	5 mg/m3	5 mg/m3	10 - 20
Cured Phenolic Resin	N/A	None Established	None Established	5 - 20
and/or Calcium Carbonate	1317-65-3	15 mg/m3*	10 mg/m3	1 - 25
and/or Cryolite (as Fluorides)	15096-52-3	2.5 mg/m3	2.5 mg/m3	0 - 15
and/or Carbon Black	1333-86-4	3.5 mg/m3	3.5 mg/m3	0 - 1
and/or Iron Oxide	1309-37-1	5 mg/m3	5 mg/m3	0 - 2
and/or Potassium Fluoroborate (as Fluorides)	14075-53-7	2.5 mg/m3	2.5 mg/m3	5 - 10
and/or Flame Retardant	Proprietary	None Established	None Established	0 - 8
and/or Titanium Dioxide	13463-67-7	15 mg/m3*	10 mg/m3	0 - 5
Cotton or Polyester Cloth	N/A	None Established	None Established	15 - 55
and/or paper backing	N/A	None Established	None Established	25 - 65
and/or fibre	N/A	None Established	None Established	35 - 70

* Total Dust

** Inhalable Particulate

The Permissible Exposure Limits (PEL) reported above are the pre-1989 limits that were reinstated by OSHA following a decision by the 11th Circuit Court of Appeals. These PELs are being enforced by Federal OSHA. Be aware that more restrictive exposure limits may be enforced by some states. SAIT Overseas Trading and Technical Corporation recommends that the lower exposure limits be observed as reasonable worker protection.

3. HEALTH HAZARD DATA:

Acute Effects of Overexposure: Dust may cause eye and respiratory irritation. Dust particles may cause abrasive injury to the eyes.

Chronic Effects Of Overexposure: Long-term overexposure to respirable dust may cause lung damage (fibrosis) with symptoms of coughing, shortness of breath and diminished breathing capacity. 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 sanded. Most of the dust generated during sanding is from the base material being sanded and the potential hazard from this exposure must be evaluated.

Medical Conditions Aggravated by Exposure: Chronic respiratory disease.

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Primary Route(s) of Exposure: Inhalation

Listed Carcinogen: None of the components is listed as a carcinogen or potential carcinogen by OSHA, NTP or IARC.

4. FIRST AID:

Ingestion: If sanding dust is swallowed, seek medical attention.

Inhalation: If overexposed to sanding dust, remove victim to fresh air and get medical attention.

Eye Contact: Flush eyes thoroughly with water, holding open eyelids. Get medical attention if irritation persists. Obtain immediate medical attention for foreign body in the eye.

Skin Contact: Wash dust from skin with soap and water.

5. FIRE AND EXPLOSION HAZARD DATA:

Flash Point: Non-Combustible Flammable Limits: LEL: N/A UEL: N/A

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

Special Firefighting Procedures: None needed.

Unusual Fire and Explosion Hazards: This product is not 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 sanded, machined or ground.

Hazardous Combustion Products: None known.

6. ACCIDENTAL RELEASE MEASURES:

Pick up, sweep up or vacuum and place in a container disposal. Minimize generation of dust. Notify authorities as required by local, state and federal regulations.

7. HANDLING AND STORAGE:

Recommended Work Practices: Use only with adequate ventilation. Avoid breathing dust. Wash thoroughly after handling and use, especially before eating, drinking or smoking.

Storage: Store in a dry location.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Ventilation: Use local exhaust or general ventilation as required to minimize exposure to dust and maintain the concentration of contaminants below the occupational exposure limits.

Respiratory Protection: Use NIOSH approved respirator if exposure limits are exceeded or where dust exposures are excessive. Selection of respiratory protection depends on the contaminant type, form and concentration. Select and use respirators in accordance with OSHA 1910.134 and good industrial hygiene practice.

Gloves: Cloth or leather gloves recommended.

Eye Protection: Safety goggles or face shield.

Other: Protective clothing as needed to prevent contamination of personal clothing. Hearing protection may be required for some operations.

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9. PHYSICAL AND CHEMICAL PROPERTIES:

Boiling Point: N/A

Vapor Pressure: (mm Hg) N/A

Solubility in Water: Insoluble

Vapor Density: (Air = 1) N/A

Specific Gravity: N/A

Evaporation Rate: N/A

Melting Point: N/A

Appearance and Odor: Cloth or paper coated with abrasive material in sheets, disks, rolls, etc.

10. STABILITY AND REACTIVITY DATA:

Stability: Stable

Reactivity/Incompatibility (Materials or conditions to avoid): Strong acids, strong bases and strong oxidizers may modify the mechanical characteristics of the products and create safety hazards when used on machines.

Hazardous Decomposition Products: Dust from sanding could contain ingredients listed in Section 2 and other, potentially more hazardous components of the base material being sanded or coatings applied to the base material.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL DATA:

No toxicity data is available for this product.

12. ECOLOGICAL DATA:

No ecological data is available for this product. These products are not expected to be hazardous to the environment.

13. DISPOSAL:

Follow all applicable Federal, State and Local Regulations.

14. TRANSPORTATION DATA:

This product is not regulated for transportation.

15. ENVIRONMENTAL REGULATORY DATA:

SARA Section 311/312 Hazard Categories: N/A

SARA Section 313:

Some products contain the following toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Toxic Chemical Release Reporting): None

California Proposition 65: This is not known to contain chemicals regulated under the California Safe Drinking Water and Toxic Enforcement Act of 1986.

Canadian WHMIS Classification: Not a controlled product. This product meets the definition of a "manufactured article" under the WHMIS regulations.

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16. OTHER INFORMATION:

NFPA Hazard Rating: Health: 1 Fire: 0 Reactivity: 0

Date Previous Revision: New MSDS

Date This Revision: 1/15/02

Revision Summary: New MSDS.

Prepared By: Denese A. Deeds, CIH IH&SC Inc., Woodbridge, CT 06525

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The preceding information is believed to be correct and current as of the date of preparation of this Material Safety Data Sheet. Since the use of this information and the conditions of use of this product are not within the control of SAIT Overseas Trading and Technical Corporation, it is the users obligation to assure safe use of this product.