

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity / Trade Name: Polishing Compound Kit

Product Use: Solid polishing compound bars, sold individually or in sets.

Manufacturer: United Abrasives, Inc.
 P.O. Box 75, Route 66
 Willimantic, CT 06226

Internet: www.unitedabrasives.com

Information Phone: (860) 456-7131

Emergency Phone: (860) 456-7131

MSDS Date of Preparation: August 2009

2. HAZARDS IDENTIFICATION

This product is a set of four premolded cake forms (red, brown, black, and white) with a tallow odor.

EMERGENCY OVERVIEW

Dust may cause eye and respiratory irritation. Dust particles or filings may cause abrasive injury to the eyes. Fine dust generated by grinding may be spontaneously combustible or create a fire or explosion hazard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Black Emery Cake

Hazardous Component	CAS #	%
Triglycerides	61789-97-7	10-12
Tallow	67701-27-3	8-15
Petrolatum	8009-03-8	2-5
Aluminum oxide	1344-28-1	55-65
Kaolin	1332-58-7	13-15

Red Rouge Polishing Compound

Hazardous Component	CAS #	%
Triglycerides	61789-97-7	16-18
Tallow	67701-27-3	8-10
Aluminum oxide	1344-28-1	8-10
Ferric oxide	1309-37-1	64-65

Tripoli Buffing Compound (Brown)

Hazardous Component	CAS #	%
Triglycerides	61789-97-7	7-12
Tallow	67701-27-3	10-11
Petrolatum	8009-03-8	3-5
Silicon oxide	7631-86-9	65-80

White Rouge Buffing Compound

Hazardous Component	CAS #	%
Triglycerides	61789-97-7	Proprietary
Tallow	67701-27-3	Proprietary
Aluminum oxide	1344-28-1	Proprietary

4. FIRST AID MEASURES

Ingestion: If dust is swallowed, seek medical attention.
Inhalation: If overexposed to 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. Launder contaminated clothing before reuse.

5. FIRE FIGHTING MEASURES

Extinguishing Media: CO2, dry chemical, foam, water fog. Treat as an oil fire.
Special Firefighting Procedures: None needed.
Unusual Fire and Explosion Hazards: Fine dusts created during grinding or processing may be spontaneously combustible or create a fire or dust explosion hazard. Many materials create flammable/explosive dusts or turnings when machined. Material will burn under fire conditions – treat as an oil fire.
Hazardous Combustion Products: Oxides of carbon and smoke.

6. ACCIDENTAL RELEASE MEASURES

Eliminate all sources of ignition. Pick up, sweep up or vacuum and place in a container for disposal. If dust is vacuumed, use explosion-proof equipment. 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. Consider potential exposure to components of the base materials or coatings being machined. Refer to OSHA’s substance specific standards for additional work practice requirements where applicable.

Dust generated during machining or processing may spontaneously combust or create a fire or dust explosion hazard. Use good housekeeping to prevent the accumulation of dusts around the workplace.

Storage: Store in a dry location.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Hazardous Component	OSHA PEL	ACGIH TLV
Triglycerides	None Established	None Established
Tallow	None Established	None Established
Petrolatum	5 mg/m ³ TWA	5 mg/m ³ TWA 10 mg/m ³ STEL
Aluminum oxide	1 mg/m ³ TWA Respirable fraction (as Al)	15 mg/m ³ TWA Total dust 5 mg/m ³ TWA Respirable fraction
Kaolin	2 mg/m ³ TWA Respirable fraction	15 mg/m ³ TWA Total dust 5 mg/m ³ TWA Respirable fraction
Ferric oxide	5 mg/m ³ TWA Respirable fraction	10 mg/m ³
Silicon oxide	None Established	80 mg/m ³ /% SiO ₂

Note: Consider also components of base materials and coatings being machined.

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

Respiratory Protection: Use NIOSH approved respirator if exposure limits are exceeded or where dust exposures are excessive. Consider the potential for exposure to components of the coatings or base material being brushed or machined in selecting proper respiratory protection. Refer to OSHA's specific standards for lead, cadmium, etc. where appropriate. 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: Avoid skin contact with dust. Follow facility requirements regarding glove use to avoid safety hazard..

Eye Protection: Safety goggles or safety glasses with side shields.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Applicable

Solubility in Water: Insoluble

Specific Gravity: Not available

Melting Point: 125-145°F

Appearance and Odor: Set of four premolded cake forms (red, brown, black, and white) with a tallow odor

Flash Point: Not Applicable

Vapor Pressure: (mm Hg) Not Applicable

Vapor Density: (Air = 1) Not Applicable

Evaporation Rate: Not Applicable

Flammable Limits: LEL: Not Applicable

UEL: Not Applicable

10. STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: Strong oxidizers or reducing agents.

Hazardous Decomposition Products: Dust from machining could contain ingredients listed in Section 3 and other, potentially more hazardous components of the base material being machined or coatings applied to the base material. Combustion will form oxides of carbon and smoke.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Ingestion: None expected under normal use conditions. Swallowing large pieces may cause obstruction of the gastrointestinal tract.

Inhalation: Dust may cause respiratory irritation.

Eye: Dust may cause eye irritation. Dust particles or filings may cause abrasive injury to the eyes.

Skin: None expected under normal use conditions. Rubbing blades across the skin may cause mechanical irritation or abrasions.

Sensitization: Not expected to cause sensitization.

Chronic: Long-term overexposure to 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 machined. Most of the dust generated during processing is from the base material being processed and the potential hazard from this exposure must be evaluated.

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

Medical Conditions Aggravated by Exposure: Employees with pre-existing respiratory disease may be at risk from exposure.

Acute Toxicity Values:

This product and its components are not acutely toxic.

12. ECOLOGICAL INFORMATION

No ecological data is available for this product. Dust generated may be hazardous to the environment.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable local, state/provincial and federal regulations. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

14. TRANSPORT INFORMATION

DOT Hazardous Materials Description:

Proper Shipping Name: Not Regulated
UN Number: None
Hazard Class/Packing Group: None
Labels Required: None

15. REGULATORY INFORMATION

SARA Section 311/312 Hazard Categories: Not Applicable in solid form. Dust generated from machining – Chronic Health

SARA Section 313: This product contains 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: WARNING You create dust when you machine materials such as metal. This dust often contains chemicals known to cause cancer, birth defects or other reproductive harm.

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

This product has been classified under the CPR and this MSDS discloses information elements required by the CPR.

16. OTHER INFORMATION

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

Date Previous Revision: N/A

Date This Revision: 08/14/09

Revision Summary: New MSDS

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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 United Abrasives, Inc., it is the user's obligation to assure safe use of this product.