

**Health Rating - 1**  
**Flammability Rating - 0**  
**Reactivity Rating - 0**  
**Hazard Rating - 0**

## Section I

Proper Shipping Name: Compound (Cake, Paste or Liquid form N.O.I.)  
Additional Hazard Classes (as applicable): None listed  
Chemical Family: Organic/inorganic mixture  
Reportable Quantities: None  
Formula: Proprietary formula - abrasive/grease mixture

Hazardous Components, (Specific Chemical Identity, Common Name(s))	%	Range	CAS#	OSHA PEL 15mg/M3 (total dust)	ACGIH TLV 10mg/M3 (total dust)
Alpha Alumina (alumina - A/O)	70.00	78.00	1344-28-1	-	-
Triglycerides (animal fat)	23.00	13.00	61789-97-7	-	-
Tallow (tallow glyceride)	7.00	9.00	67701-27-3	-	-

Polishing & buffing compounds are formulated with abrasives surrounded in a matrix of grease binders, waxes and/or soap/water emulsions. Ingredient ratio proportions can be and are varied to meet individual buffing needs and surface conditioning. Respirable dust and debris hazards may be created during buffing operations. Exposure limits for dust particles should not be exceeded beyond ACGIH, TLV-TWA recommended ceilings for respirable silica and/or Tripoli dust at 0.1mg/M3.

## Section III - Physical / Chemical Characteristics

Boiling Point: N/A  
Vapor Pressure (mm Hg.): N/A  
Vapor Density (AIR=1): NAIF  
Percent Volatile by Volume: 0  
Solubility in Alcohol: Moderate  
Specific Gravity (H2O=1): NAIF  
Melting Point: 145 degrees F  
Evaporation Rate (Butyl Acetate=1): NIL  
Solubility in Water: Negligible  
Solubility in Other Solvent: Alkaline cleaners or chlorinated solvents  
Appearance and Odor: Premolded cake form, white color, tallow odor

## Section IV - Fire and Explosion Hazard Data

Flash Point (method used): N/A C.O.C.

Flammable Limits: Not Established LEL: UEL:

Extinguishing Media: C.O.2, dry chemical, foam, water fog

Special Fire Fighting Procedures: Dried polishing compound and buffing wheel lint and debris may make the mix combustible. Treat as an oil fire.

Unusual Fire and Explosion Hazards: None for new and unused stored material.

## Section V - Reactivity Data

Stable using under conditions of insufficient dust collecting systems or ventilation.

Incompatibility (Materials to Avoid): Strong oxidizers or reducing agents.

Hazardous Decomposition or By-products: On combustion hydrocarbons may form to produce smoke, carbon monoxide, carbon dioxide. Hazardous Polymerization will not occur.

## Section VI - Health Hazard Data

Primary Route(s) of Entry	Acute and chronic health effects and effects of overexposure	First Aid and Medical Information
Inhalation (during use)	Acute: May cause coughing, shortness of breath (dust). Chronic: May effect breathing capacity (dust).	Remove to fresh air; apply artificial respiration as needed. Obtain first aid or medical assistance.
Ingestion	May cause gastrointestinal disturbances, constipation or diarrhea.	Obtain first aid or medical assistance, if needed.
Skin (contact & absorption)	Irritation of the skin may occur due to mechanical/chemical action or dermatitis reaction.	Wash skin with soap and water. Obtain first aid and/or medical assistance if symptoms persist.
Eye	Dust or buffing debris may irritate or damage the eyes without protection. Always wear safety glasses and/or face shield helmets when performing buffing operations. See OSHA 29cfr1910.122 (Safety Glasses)	Wash with large amounts of water - obtain first aid or medical assistance, if needed.
Other Potential Health Risks (prolonged inhalation of dust particles may result in disabling pulmonary fibrosis.)	Symptoms might include deposits of materials in eyes, ears, nasal passages, irritation of mucus membranes. <b>Warning:</b> Do not breathe the dust of compounds containing abrasive materials without following OSHA safety and health standards for dust accumulation collection.	Regular constant vigilance in safety and maintenance check-up programs are advised to reduce risks associated with buffing and polishing operations.

Carcinogenicity: NTP Not reported

IARC: Not reported

OSHA: Not reported

## Section VII - Precautions For Safe Handling And Use

Precautions to be taken in handling and storing:

Handle with adequate ventilation for nuisance dust when using.

See OSHA 20 CFR 1910.94 (Ventilation) and 29 CFR 1910.1000 (Air Contaminates).

Other Precautions:

Keep liquids from freezing. Store away from excessive heat.

Steps to be taken in case material is released or spilled:

Sweep into containers; storage of buffing wheel and compound debris may contain combustible lint.

Waste disposal method:

Sweep up and incinerate or dispose in accordance with local, state and federal regulations.

CERCLA (Superfund) reportable quantity (in LBS.): None

RCRA Hazardous Waste No. (40 CFR 261.33): None

Volatile Organic Compound (VOC) (as packaged, minus water): N/A

## Section VIII - Control Measures

Respiratory protection (specify type): OSHA 24 CFR/134 NIOSH/MSHA approved respirators for particulates from buffing debris

### **Ventilation:**

Local Exhaust: General room ventilation

Mechanical (General): Recommend venting to dust collectors

**Protective gloves:** Wear heavy-duty work-type gloves for hand protection

Eye protection: Wear safety glasses and/or face shield helmets (see OSHA 29 CFR 1910.122 (Safety Glasses)).  
Other protective clothing or equipment: Protective work clothing, body apron or belly pads, safety shoes, as needed.

**Hearing Protection:** Avoid prolonged excessive noise levels created by buffing and polishing operations (see OSHA 29 CFR 1910.215 (Hearing Protection)).

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

NAIF = no applicable information found

N/A = not applicable