

Material Safety Data Sheet

Material Identity: THE Polishing Compound

SECTION I - PRODUCT IDENTIFICATION

Manufactured For:

Apeiron, Inc.
5350 Pioneer Creek Drive, Suite 5
Maple Plain, MN 55359

Emergency Phone: ChemTel 1-800-255-3924

Information Phone: 1-763-479-3866

Date Prepared: 3-September 2009

Preparer: M. Werle

HMIS Rating

0- Minimal 1- Slight 2- Moderate
3- Serious 4- Extreme

Health: 3 Fire: 0 Reactivity: 0

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS Number	OSHA	ACGIH
Oxalic Acid	144-62-7	1 mg/m ³	1 mg/m ³
Aluminum Oxide	1344-28-1	15 mg/m ³	10 mg/m ³
Potassium Tetraoxalate	6487-48-5	No Data Listed	

SECTION III - PHYSICAL and CHEMICAL PROPERTIES

Boiling Point: None. Product sublimes.

pH: < 2.5.

Solubility in Water: Partially

Appearance/Odor: Light beige semi-solid with mild citrus odor.

Vapor Density (Air=1): N/D

Volatile % (v): < 1.0

Specific Gravity (H2O=1): 1.0

Evaporation Rate (Water=1): N/D

SECTION IV - FIRE FIGHTING MEASURES

Flash Point: None.

Extinguishing Media: Any means suitable to surrounding fire.

Fire Fighting Procedures: Not combustible. Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full bunker gear.

Fire and Explosion Hazards: None known or expected to occur.

SECTION V - STABILITY AND REACTIVITY

Stability: Stable under ordinary use conditions and use.

Conditions to Avoid: Product will react vigorously with strong oxidizers.

Incompatibility: Alkalis, chlorites, oxidizing agents.

Hazardous Decomposition Products: Oxides of Carbon may also produce formic acid.

Hazardous Polymerization: Will not occur.

SECTION VI - STORAGE AND HANDLING

Handling: Use precautions normally practiced in chemical handling. Follow all warning and precautions listed for this product.

Storage: Store in a cool, dry well ventilated area away from heat. Always store in original properly labeled container.

SECTION VII - HEALTH AND FIRST AID



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Eyes: Irritating to the eyes. Prolonged contact may result in tissue injury.

Skin: May cause slight to moderate irritation. Repeated or prolonged contact can cause redness or irritation.

Inhalation: Excessive inhalation may cause irritation of the nose, throat and respiratory tract.

Ingestion: Large volumes of this product will cause irritation of the digestive tract accompanied by nausea, vomiting, and gastroenteritis.

FIRST AID PROCEDURES:

Eyes: Flush with large amounts of cool running water for at least 15 minutes. Seek medical attention if irritation persists.

Skin: Wash skin with soap and water. If irritation persists seek medical attention.

Inhalation: Remove to fresh air. Seek medical attention as symptoms warrant.

Ingestion: DO NOT induce vomiting. Drink large amounts of water or milk. Obtain immediate medical attention.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: Eye Protection if product contact is possible during mass transfers.

Respiratory Protection: None required under normal use conditions.

Ventilation: None required under normal use conditions.

Protective Clothing: None required under normal use conditions. Chemical resistant gloves are recommended during mass transfers.

SECTION IX - ACCIDENTAL RELEASE MEASURES

Small Spill: Stop source of spill. Absorb on inert media and collect into suitable container.

Large Spill: Plug source of spill. Salvage as much usable material as possible. Absorb on inert media and collect into suitable container.

Waste Disposal Method: Follow local, state and federal regulations for disposal.

SECTION X - TRANSPORTATION

U.S. Department of Transportation (Domestic Road or Rail)

Proper Shipping Name: Corrosive Solid, Acidic, Organic, N.O.S. (Contains Oxalic Acid and Potassium Oxalate)

Hazard Class: 8

UN/NA Number: 3261

Packaging Group: III

N/A= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · <=LESS THAN · >=MORE THAN

NOTICE: The information contained on this Material Safety Data Sheet is considered accurate as of the date of publication. It is not necessarily all-inclusive nor fully adequate in every circumstance. The suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements. No warranty, express or implied, of merchantability, fitness, accuracy of data or the results to be obtained from the use thereof is made. The vendor assumes no responsibility for injury or damages resulting from the inappropriate use of this product.