



MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MasterPolish

IDENTIFICATION NUMBER: 40-10084

PRODUCT USE/CLASS: Polishing Compound

SUPPLIER:

BUEHLER, a division of Illinois Tool Works Inc.

41 WAUKEGAN ROAD

LAKE BLUFF, IL 60044

EMERGENCY: 800-424-9300

INFORMATION: 847-295-6500

PREPARER: Technical Department, 847-295-6500

PREPARE DATE: 10/15/2013, 15 October 2013

SECTION 2 - HAZARDS IDENTIFICATION

ACUTE EFFECTS - EYE CONTACT: Contact may cause irritating, watering and redness.

ACUTE EFFECTS - SKIN CONTACT: No known significant effects or critical hazards.

ACUTE EFFECTS - INHALATION: No known significant effects or critical hazards.

ACUTE EFFECTS - INGESTION: May be irritating to mouth, throat and stomach.

CHRONIC OVEREXPOSURE EFFECTS: No specific data.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT, SKIN ABSORPTION, INHALATION, EYE CONTACT

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT%
01	Proprietary	--	Proprietary
02	Proprietary	--	Proprietary

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence requiring reporting in this section.

SECTION 4 – FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation persists.

SKIN CONTACT: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

INHALATION: Remove to fresh air. Medical personnel may administer oxygen if breathing is difficult. Seek medical attention if symptoms persist. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

INGESTION: Wash out mouth with water. Remove dentures if any. Remove to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the person is conscious, give small quantities of water to drink. Stop if the person feels sick, as vomiting may be dangerous. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT: Not available

LOWER EXPLOSIVE LIMIT: Not available

UPPER EXPLOSIVE LIMIT: Not available

AUTOIGNITION TEMPERATURE: Not available

EXTINGUISHING MEDIA: CO₂, Foam, Dry Chemical, Water Fog

UNUSUAL FIRE AND EXPLOSION HAZARDS: In a fire or if heated, a pressure will occur and the container may burst.

SPECIAL FIREFIGHTING PROCEDURES: Wear a NIOSH approved positive pressure self-contained breathing apparatus with full protective clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Info the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

SMALL SPILL: Stop leak without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. If water-insoluble, absorb with inert dry material and place in an appropriate was disposal container. Dispose of in accordance with applicable federal, state and local regulations.

LARGE SPILL: Stop leak without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in a container for disposal in accordance with applicable federal, state and local regulations.

SECTION 7 – HANDLING AND STORAGE

HANDLING: Wash hands before eating. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

STORAGE: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (Section 10). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

ITEM	NOISH REL TWA	NOISH REL TWA	OSHA PEL-TWA	NIOSH REL – CEILING	COMPANY TLV-TWA	SKIN
01	350 mg/m ³	6 mg/m ³	400 ppm 8	1800 mg/m ³	N/A	N/A
02	10 hours	10 hours	hours	15 min		

(SEE SECTION 16 FOR ABBREVIATION LEGEND)

ENGINEERING CONTROLS: General ventilation should be sufficient to control worker exposure to airborne contaminants.

RESPIRATORY PROTECTION: None normally required under general ventilation. If exposure levels are unknown, if levels exceed TLV/PEL, or if effects occur, use NIOSH-approved dust/mist respirator in accordance with applicable health and safety regulations and manufacturer's recommendations.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION Continued

SKIN PROTECTION: Wear appropriate clothing to prevent skin contact. Chemical-resistance, impervious gloves complying with an approved standard should be worn at all times when handling chemical products.

EYE PROTECTION: Eye protection (i.e., safety glasses, safety goggles and/or face shield) should be determined based on conditions of use.

OTHER PROTECTIVE EQUIPMENT: Accessible eye wash and safety shower.

HYGIENIC PRACTICES: Follow good general industrial safety practices during use. Wash hands, forearms and face thoroughly after handling chemical products before eating, smoking and using the lavatory and at the end of the working period. Wash contaminated clothing before reusing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE:	Not available	VAPOR DENSITY:	Not available
ODOR:	Odorless	ODOR THRESHOLD:	Not available
APPEARANCE:	White Liquid	EVAPORATION RATE:	Not available
SOLUBILITY IN H₂O:	YES		
FREEZE POINT:	Not available	SPECIFIC GRAVITY:	Not available
VAPOR PRESSURE:	Not available	pH @ 0.0%:	N.A.
PHYSICAL STATE:	Liquid	VISCOSITY:	Not available
COEFFICIENT OF WATER/OIL DISTRIBUTION:	No data		

(SEE SECTION 16 FOR ABBREVIATION LEGEND)

SECTION 10 – STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Prolonged exposure to heat.

INCOMPATIBILITY: No specific data.

HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

HAZARDOUS REACTIONS: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 – TOXICOLOGICAL PROPERTIES

COMPONENT TOXICOLOGICAL INFORMATION:

Irritation / Corrosion:

Ingredient Name -----	Result -----	Species -----	Exposure -----
Proprietary -----	Eyes - Mild irritant	Rabbit.....	24 hours, 25 milligrams
Proprietary -----	Eyes - Mild irritant	Rabbit.....	100 milligrams
Proprietary -----	Skin - Moderate irritant	Rabbit.....	24 hours, 500 milligrams

SECTION 12 – ECOLOGICAL INFORMATION

ECOLOGICAL TEST DATA: Adopt sound working practices so that the product is not released into the environment.

Toxicity

Ingredient Name	Result	Species	Exposure
Proprietary	Acute EC50 55.5 mg/l Fresh water	Algae-Pseudokirchneriella subcapitata	72 hours
	Chronic NOEC 4.6 mg/l Fresh water	Algae-Pseudokirchneriella subcapitata	72 hours
Proprietary	Acute EC50 0.26 mg/l Marine water	Daphnia-Daphnia magna-Neonate	48 hours
	Acute LC50 >30 ml/L Marine water	Aquatic plants-Hydrilla verticillata	96 hours
	Acute LC50 0.35 ppm Marine water	Crustaceans-Octopus allidus-Newly or recently hatched	48 hours
	Acute LC50 7.46 µg/l Marine water	Fish-Oncorhynchus tshawytscha	96 hours

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: If product becomes contaminated, follow disposal instructions for contaminant. Dispose of in accordance with federal, state and local regulations. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14 – TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Not regulated for transport.	
DOT TECHNICAL NAME: N.A.	HAZARD SUBCLASS: N.A.
DOT HAZARD CLASS: N.A.	PACKAGING GROUP: N.A.
DOT UN/NA CLASS: N.A.	RESP. GUIDE PAGE: N.A.
INTERNATIONAL SHIPPING NAME: Not considered a dangerous good for transport.	
INTERNATIONAL ID NUMBER: N.A.	
IMDG CLASS (1°, 2°): N.A.	IMDG PAGE NUMBER: N.A.
IMDG EMS: N.A.	IATA CLASS (1°, 2°): N.A.

SECTION 15 – REGULATORY INFORMATION

<p><u>OSHA</u>: This material is considered hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).</p>
<p><u>CERCLA – SARA HAZARD CATEGORY</u>: THIS PRODUCT HAS BEEN REVIEWED, AND IS CONSIDERED, UNDER APPLICABLE DEFINITIONS, TO MEET THE FOLLOWING CATEGORIES: Immediate (acute) health hazard.</p> <p><u>SARA SECTION 313</u>: THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 AND 40 CFR PART 372:</p> <p>CHEMICAL NAME -----CAS NUMBER ----- WT/WT %</p> <p>Aluminum Oxide1344-28-1.....5-20</p>
<p><u>TOXIC SUBSTANCE CONTROL ACT</u>: THE CHEMICAL SUBSTANCES IN THIS PRODUCT ARE ON THE TSCA SECTION 8 INVENTORY. THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF TSCA 12(B) IF EXPORTED FROM THE UNITED STATES:</p> <p>Not determined.</p>
<p><u>NEW JERSEY RIGHT-TO-KNOW</u>: THE FOLLOWING MATERIALS ARE NON-HAZARDOUS, BUT ARE AMONG THE TOP 5 COMPONENTS IN THIS PRODUCT:</p> <p>CHEMICAL NAME -----CAS NUMBER</p> <p>Aluminum Oxide1344-28-1</p>
<p><u>PENNSYLVANIA RIGHT-TO-KNOW</u>: THE FOLLOWING NON-HAZARDOUS INGREDIENTS ARE PRESENT IN THE PRODUCT AT GREATER THAN 3%:</p> <p>CHEMICAL NAME -----CAS NUMBER</p> <p>Aluminum Oxide1344-28-1</p>

SECTION 15 – REGULATORY INFORMATION Continued

CALIFORNIA PROPOSTION 65: No Proposition 65 chemicals known to exist in this product.

CANADIAN WHMIS: THIS MSDS HAS BEEN PREPARED IN COMPLIANCE WITH CONTROLLED PRODUCT REGULATIONS EXCEPT FOR USE OF THE 16 HEADINGS.

CANADIAN WHMIS CLASS: Not Regulated

COMPONENT RCRA CLASSIFICATIONS: Not Regulated

COMPONENT RCRA CODES: Not Applicable

CERCLA RQ VALUE (MINIMUM): Not Applicable

SECTION 16 – OTHER INFORMATION

HMIS RATINGS

HEALTH: 2

FLAMMABILITY: 0

REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: none

REASON FOR REVISION: New Product

VOLATILE ORGANIC COMPOUNDS: 0 grams/ltr

LEGEND:

N.A. – NO INFORMATION

N.E. – NOT ESTABLISHED

N.D. – NOT DETERMINED

ABBREVIATIONS: ACGIH = AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS; OSHA = OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION; TLV-TWA = THRESHOLD LIMIT VALUE – TIME WEIGHTED AVERAGE (8 HOURS); STEL = SHORT-TERM EXPOSURE LIMIT (15 MINUTES); C = CEILING VALUE; PEL = PERMISSIBLE EXPOSURE LIMIT

DISCLAIMER: TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED IN THIS MSDS IS ACCURATE OR IS OBTAINED FROM SOURCES BELIEVED TO BE ACCURATE. HOWEVER, NO LIABILITY, EXPRESSED OR IMPLIED, IS ASSUMED FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED HEREIN. BUYER ASSUMES LIABILITY IN ITS USE OF THE MATERIAL.