

## LYMAN PRODUCTS

### SAFETY DATA SHEET

Safety Data Sheet (in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 2015/830),

Date Issued: 10/23/15  
Date Revised: None  
Revision Number: New SDS

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

##### 1.1 Product Identifier

**Trade Name** Turbo® Brite Brass Polish  
**Product Number** 7631358, 7631361

##### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Product Use:** Brass Polish

**Restrictions on Use:** None known

##### 1.3 Details of the Supplier of the Safety Data Sheet

**Manufacturer:** Lyman Products  
475 Smith Street  
Middletown, CT 06457 USA  
**Information Phone Number:** (860) 632-2020  
**E-mail**

##### 1.4 Emergency Telephone Number

**Emergency Spill Information** For Hazardous Materials [or Dangerous Goods] Incident  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300 or  
+1 703-527-3887 (collect calls accepted)

#### SECTION 2: HAZARDS IDENTIFICATION

##### 2.1 Classification of the Substance or Mixture

**US Hazard Classification (29CFR 1910.1200-2012):** This product is not classified as hazardous in accordance with the OSHA Hazard Communication Standard.

##### **GHS/CLP (1272/2008) Classification:**

This product does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008

##### 2.2 Label Elements

None Required

##### 2.3 Other Hazards: None

#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

##### 3.2 Mixture

Chemical Name	CAS#	EINECS#	GHS/CLP Classification	% w/w
Non-hazardous Ingredients	Mixture	Mixture	Not Hazardous	Balance
Aluminum Oxide	1344-28-1	215-691-6	Not Hazardous	20-50
Triethanolamine	102-71-6	203-049-8	Not Hazardous	0.5-1

The exact percentage and composition is a trade secret

#### SECTION 4: FIRST AID MEASURES

##### 4.1 Description of First Aid Measures

**Eye:** Flush eyes thoroughly with water. Get medical attention if irritation occurs and persists.

**Skin:** No first aid should be needed. If irritation occurs, wash contact area with soap and water. Get medical attention if irritation or symptoms of exposure develop and persist.

**Inhalation:** No first aid should be needed. If irritation from mist or vapor occurs and persists, get medical attention.

**Ingestion:** No harmful effects are expected. If symptoms occur, get medical attention.

**4.2 Most Important symptoms and effects, both acute and delayed:** May cause slight eye, skin and respiratory irritation.

**4.3 Indication of any immediate medical attention and special treatment needed:** Immediate first aid should not be needed.

#### SECTION 5: FIRE AND EXPLOSION DATA

**5.1 Extinguishing Media:** Dry chemical, foam, and carbon dioxide are recommended.

##### 5.2 Special Hazards Arising from the Substance or Mixture

**Unusual Fire and Explosion Hazards:** None known

**Combustion Products:** Thermal decomposition or combustion may produce oxides of carbon and irritating fumes.

##### 5.3 Advice for Fire-Fighters:

**Special Fire Fighting Procedures:** Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

##### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Seek to ensure ventilation that maintains exposure. Keep unprotected persons away. Although the substance has no or very low acute toxicity hazard, it is advised to avoid contact with skin, eyes, and clothing; wear suitable protective equipment when needed.

##### 6.2 Environmental Precautions:

Avoid release to the environment. Report spills and releases as required to appropriate authorities.

##### 6.3 Methods and Material for Containment and Cleaning Up:

Collect spilled material in suitable containers for recovery or disposal. In the case of disposal, spilled material or contaminated material should be disposed of as waste as described in Section 13.

**6.4 Reference to Other Sections:** Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

#### SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for Safe Handling:** Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Use good industrial hygiene practice. Wear appropriate personal protective equipment.

**7.2 Conditions for Safe Storage, Including any Incompatibilities:** Store in a dry area away from incompatible materials.

**7.3 Specific end use(s):** None specified

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control Parameters:** Refer to country-specific legislation for specific requirements where not listed below.

Chemical Name	Exposure Limits
Non-hazardous Ingredients	None Established
Aluminum Oxide	1 mg/m <sup>3</sup> TWA ACGIH TLV (respirable) (as Aluminum metal and

	insoluble compounds) 15 mg/m <sup>3</sup> TWA OSHA PEL (Total dust), 5 mg/m <sup>3</sup> TWA (respirable fraction) 10 mg/m <sup>3</sup> TWA UK WEL (inhalable aerosol), 4 mg/m <sup>3</sup> TWA (respirable aerosol) 4 mg/m <sup>3</sup> TWA DFG MAK (inhalable aerosol), 1.5 mg/m <sup>3</sup> TWA (respirable aerosol)
Triethanolamine	5 mg/m <sup>3</sup> TWA ACGIH TLV 5 mg/m <sup>3</sup> TWA DFG MAK

**8.2 Exposure Controls:**

**Appropriate Engineering Controls:** General exhaust ventilation should be adequate to maintain exposure below the occupational exposure limits.

**Respiratory Protection:** None required for normal use. If needed, an approved respirator may be used. Respirator selectic and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

**Skin Protection:** Impervious gloves are recommended if needed to avoid prolonged contact.

**Eye Protection:** None should be needed under normal use conditions. Safety glasses should be used if eye contact is likely.

**Other Protective Equipment:** None should be needed under normal use conditions.

<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>
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**9.1 Information on basic Physical and Chemical Properties**

<b>Appearance:</b> White paste	<b>Vapor Density:</b> No data available
<b>Odor:</b> Odorless.	<b>Specific Gravity:</b> 1.37
<b>Odor Threshold:</b> No data available	<b>Solubility:</b> No data available
<b>pH:</b> No data available	<b>Octanol/Water Partition Coefficient:</b> No data available
<b>Melting Point/Freezing Point:</b> No data available	<b>Autoignition Temperature:</b> No data available
<b>Boiling Point:</b> No data available	<b>Decomposition Temperature:</b> No data available
<b>Flash Point:</b> 425°F (218°C)	<b>Viscosity:</b> Not applicable
<b>Evaporation Rate:</b> No data available	<b>Explosive Properties:</b> Not explosive
<b>Flammable Limits:</b> LEL: No data available UEL: No data available	<b>Oxidizing Properties:</b> Not an oxidizer
<b>Vapor Pressure:</b> No data available	<b>Flammability (solid, gas):</b> Not applicable

**9.2 Other Information:** None available

<b>SECTION 10: STABILITY AND REACTIVITY</b>
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**10.1 Reactivity:** Not reactive under regular storage and handling conditions.

**10.2 Chemical Stability:** Stable under regular storage and handling conditions.

**10.3 Possibility of Hazardous Reactions:** None known.

**10.4 Conditions to Avoid:** Avoid extreme temperatures.

**10.5 Incompatible Materials:** Strong acids, strong bases, chlorine trifluoride, ethylene oxide, halogenated hydrocarbon, oxygen difluoride, sodium nitrate, vinyl compounds, chlorine and oxidizers.

**10.6 Hazardous Decomposition Products:** Thermal decomposition or combustion may produce oxides of carbon and irritating fumes.

<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>
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**11.1 Information on Toxicological Effects:**

**Potential Health Effects:**

**Eye Contact:** Contact may cause slight eye irritation.

**Skin Contact:** No adverse effects expected.

**Inhalation:** Inhalation of mist or vapor may cause slight nose and throat irritation.

**Ingestion:** Not expected to be harmful. Ingestion of large amounts may cause gastrointestinal distress.

**Acute Toxicity Values:**

Non-hazardous ingredients: No data available.

Aluminum Oxide: Oral rat LD50 > 15900 mg/kg, inhalation rat LC50: 7.6 mg/L/1 hr

Triethanolamine: Oral rat LD50: 6400 mg/kg, dermal rabbit LD50 > 2000 mg/kg

**Skin corrosion/irritation:** No data available for mixture. Components are not skin irritants.

**Eye damage/irritation:** No data available for mixture. Components are not eye irritants.

**Respiratory Irritation:** No data available for mixture. Components are not respiratory irritants.

**Respiratory Sensitization:** No data available for mixture. Components are not skin sensitizers.

**Skin Sensitization:** No data available for mixture. Components are not respiratory sensitizers.

**Germ Cell Mutagenicity:** No data available for mixture. Components are not germ cell mutagens.

**Carcinogenicity:** None of the components of this product present at 0.1% or greater are listed as carcinogens by OSHA, IARC, NTP, ACGIH and the EU CLP.

**Reproductive Toxicity:** No data available for mixture. Components are not reproductive toxins.

**Aspiration Hazard:** No data available for mixture. Components do not present an aspiration hazard.

**Specific Target Organ Toxicity:**

Single Exposure: No data available

Repeat Exposure: No data available.

<b>SECTION 12: ECOLOGICAL INFORMATION</b>
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**12.1 Toxicity**

Aluminum Oxide: Lepomis cyanellus NOEC > 50 mg/L/ 96hr

Triethanolamine: Pimephales promelas LC50: 11800 mg/L/96 hr

**12.2 Persistence and Degradability:** Triethanolamine: Readily biodegradable: 100% in 1 day

**12.3 Bioaccumulative Potential:** Triethanolamine: BCF < 3.9

**12.4 Mobility in Soil:** No data available.

**12.5 Results of PBT and vPvB Assessment:** Not required

**12.6 Other Adverse Effects:** None known

<b>SECTION 13: DISPOSAL CONSIDERATIONS</b>
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**13.1 Waste Treatment Methods:**

Dispose in accordance with all local, state and national regulations.

<b>SECTION 14: TRANSPORTATION INFORMATION</b>
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	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental

					<b>Hazards</b>
<b>US DOT</b>	None	Not regulated	N/A	N/A	None
<b>Canadian TDG</b>	None	Not regulated	N/A	N/A	None
<b>EU ADR/RID</b>	None	Not regulated	N/A	N/A	None
<b>IMDG</b>	None	Not regulated	N/A	N/A	None
<b>IATA/ICAO</b>	None	Not regulated	N/A	N/A	None

**14.6 Special Precautions for User:** Not applicable

**14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable

#### SECTION 15: REGULATORY INFORMATION

##### 15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

###### U.S. FEDERAL REGULATIONS:

**CERCLA 103 Reportable Quantity:** This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

###### SARA TITLE III:

**Hazard Category for Section 311/312:** Not Hazardous

**Section 313 Toxic Chemicals:** This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

**Section 302 Extremely Hazardous Substances (TPQ):** None

**EPA Toxic Substances Control Act (TSCA) Status:** All of the components of this product are listed on TSCA.

###### STATE REGULATIONS:

**California Proposition 65:** This product contains the following substances known to the State of California to cause cancer, birth defects or other reproductive harm: None

###### INTERNATIONAL REGULATIONS:

**Canadian Environmental Protection Act:** All of the components are listed on the Canadian Domestic Substances List.

**European Union:** All of the components are listed on the European Inventory of New and Existing Chemical Substances (EINECS) inventory.

**Australia:** All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances (AICS).

**China:** All of the ingredients of this product are listed on the Inventory of Existing Chemical Substance in China (IECSC).

**Korea:** All of the components of this product are listed on the Korean Existing Chemical List (KECL).

**Japan:** All of the components of this product are listed on the Japanese Existing and New Chemical Substances List (ENCS).

**New Zealand:** One or more of the components of this product are not listed on the New Zealand Inventory of Chemicals (NZIoC).

**Philippines:** All of the components of this product are listed on the Philippine Inventory of Chemicals and Chemical Substances (PICCS).

**German WGK:** nwg

#### SECTION 16: OTHER INFORMATION

**HMIS Ratings:** Health - 0

Flammability - 0

Physical Hazard - 0

**NFPA Ratings:** Health - 0

Flammability - 0

Stability - 0

**Supersedes:** None

**Date Updated:** 10/23/15

5 of 6

**Revision Summary:** New document.

**GHS Classification for Reference (See Sections 2 and 3):**

None

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This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide.  
Lyman Products shall not be held liable for any damage resulting from handling or from contact with the above product.