# SAFETY DATA SHEET

| Date Issued-1/1/2024 |
|---|
| SDS no. BA-529-5 |

## 1. PRODUCT AND COMPANY IDENTIFICATION

| | |
|---|---|
| **PRODUCT DESCRIPTION** | 448 |
| **CHEMICAL NAME** | Blended abrasive solid |
| **GENERAL USE** | Polish for metal finishing |
| **MANUFACTURER ADDRESS** | Osborn<br>3440 Symmes Rd. Hamilton<br>OH 45015 USA |
| **CONTACT NUMBER** | 1-513-860-3400 |
| **EMERGENCY CONTACT** | PLANT OPERATIONS |
| **EMERGENCY PHONE** | 1-513-678-3672 |
| **24 HOUR EMERGENCY TELEPHONE NUMBER** | CHEMTREC (24 HOURS) 800-424-9300 |

## 2. HAZARD IDENTIFICATION

**EMERGENCY OVERVIEW**

| | |
|---|---|
| **IMMEDIATE CONCERNS** | CAUTION! May cause eye or skin irritation. Proper protective equipment should be worn. Wash skin after use. |

**POTENTIAL HEALTH EFFECTS**

| | |
|---|---|
| Eye | May cause eye irritation |
| Skin | May cause mild skin irritation |
| Ingestion | Large oral doses may cause irritation |
| Inhalation | Product as supplied is not hazardous. May cause serious health damage due to breating dust from buffing operation with this material |
| Chronic | Cancer |

**GHS Label requirements**

Pictogram --

Signal Word--- WARNING

**Hazard Statement**

| | |
|---|---|
| Carc. 2 H351 | Suspected of causing cancer. |

**Precautionary Statements**

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|---|---|
| P260 | Do not breath dusts from buffing operation with this material |
| P285 | In case of inadequate ventilation, wear respiratory protection |
| P280 | Wear portective gloves/protective clothing/eye protection/ face protection |
| P302+P352 | If on Skin: Wash with soap and water |
| P305+P351 | If in eyes: Wash cautiously with water for 15 minutes. |

## 3. COMPOSITION/INGREDIENT INFORMATION

| Ingredients | CAS | TLV; PEL | Weight % |
|---|---|---|---|

| | | | |
|---|---|---|---|
| Aluminum Oxide | 1344-28-1 | 10 mg/M3 | 60-90% |
| Fatty Acid /Glyceride | | Not Hazardous | 10-15% |
| Petroleum Wax or Oil | | Not Hazardous | 3-10% |
| | | | |
| | | | |

## 4. FIRST AID MEASURES

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|---|---|
| **Inhalation** | If exposed to excessive levels of dust, remove to fresh air.<br>Get medical attention if cough, irritation or other symptoms develop. |
| **Skin Contact** | Wash with soap and water.<br>Get medical attention if irritation or rash develop. |
| **Eye Contact** | Immediately flush eyes with plenty of water for 15 minutes.<br>If abrasive particles are not removed, obtain medical attention. |
| **Ingestion** | Swallowing less than an ounce will not cause significant harm.<br>For larger amounts do not induce vomiting,<br>but give two 12 ounce glasses of water and obtain medical advice. |

## 5. FIRE FIGHTING MEASURES

| | |
|---|---|
| **Flash Point** | >350 F |
| **Extinguishing Media** | Use alcohol foam, carbon dioxide, or dry chemical<br>when fighting fires involving this material. |
| **Fire fighting Procedure** | Remove ignition source and fight fire as if it were a grease fire. |
| **Special Protective Equipment** | As in any fire, wear self contained breathing apparatus (pressure-demand,<br>MSHA/NIOSH approved or equivalent) and full protective gear. |
| **Hazardous Combustion Products** | If heated to high temperature the product may emit carbon monoxide<br>and carbon dioxide |

## 6 ACCIDENTAL RELEASE MEASURES

**Environmental Precautons** None known

**Methods for Clean up** Sweep or Scoop up material for reuse or reclaim if possible,
otherwise place in a disposal container for proper disposition.

## 7. HANDLING AND STORAGE

**Handling** No special handling requirements are known

**Storage** Keep out of sun and away from heat sources, as product may melt.
Observe all safeguards for container residue until cleaned or destroyed.
Do not flush to sewers or waterways unless authorized to do so
by appropriate government official.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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|---|---|
| **Exposure Limit Values** | 10 mg/ m3 as dust |
| **Engineering Measures** | Ventilation to keep dust level at exposure limits |
| **Hygiene Measures** | |
| **Respiratory Protection** | Wear a dust mask |
| **Hand Protection** | Wear gloves |
| **Eye Protection** | Wear safety glasses with side shields or goggles |
| **Skin Protection** | Wash with soap and water before eating or after shift |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| **Physical State** | Solid | **Solubility in Water** | None |
| **Color** | Gray | **Flash Point** | >350F |
| **Boiling Point** | N/A | **Vapor Density** | N/A |
| **Melting Point** | 135 F | **Evaporation Rate** | N/A |
| **Specific Gravity** | > 1.3 | **Odor** | Mild |
| **pH** | N/A | **VOC** | None |
| **Autoignition Temperature** | N/A | **Freezing Point** | N/A |

## 10. STABILITY AND REACTIVITY

| | |
|---|---|
| **Stability** | Product is stable |
| **Conditions to Avoid** | Material can ignite if exposed to a continuous flame or heat source |
| **Incompatible Materials** | None known |
| **Hazardous Decomposition Products** | If product is involved in a fire, carbon monoxide could be emitted |
| **Hazardous Polymerization** | Will Not occur |

## 11. TOXICOLOGICAL INFORMATION

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|---|---|
| **Eyes** | May cause irritation from abrasion. |
| **Skin Contact** | May cause irritation |
| **Skin Absorption** | Not likely |
| **Inhalation** | Dust form buffing operation may cause irritation |
| **Swallowing** | |

## 12. ECOLOGICAL INFORMATION

| | |
|---|---|
| **Ecological Information** | No data available |
| **Bioaccumulative Potential** | Bioaccumulation is unlikey |
| **Comments** | This product is not believed to be toxic to aquatic life. |

## 13. DISPOSAL CONSIDERATIONS

**General** If discarded, the material in its original unused form is not a RCRA hazardous waste. Disposal should be in accordance with State and Local regulations for the disposal of non-hazardous waste. Be sure to check if compound (after used) has come in contact with a hazardous substance before disposal

**Packaging** Dispose in clean receptical or box.

## 14. TRANSPORTATION INFORMATION

| | |
|---|---|
| **DOT** | Not regulated |
| **IMDG Classification** | Not regulated |
| **ICAO Classification** | Not regulated |

## 15. REGULATORY INFORMATION

**UNITED STATES**

**Sara Title III**

313 Reportable Ingredients - 1344-28-1 aluminum oxide

302/304 Emergency Planning

Emergency Plan

**California Prop 65-** **WARNING: This product contains a chemical known to the State of California to cause cancer and/or reproductive harm.**

| Ingredient | Cancer | Reproductive |
|---|---|---|
| Titanium Dioxide | Yes | No |

**CERCLA (Comprehensive Response, Compensation and Liabiity Act)**

**CERCLA RQ** - None

**EPA HAZARD CATEGORIES**

SARA 311/312 - None

**TSCA (Toxic Substance Control Act)**

TSCA Status - All ingredients are on the TSCA list

## 16. OTHER INFORMATION

**Revision Number** BA-529-5

**Supersedes Date** 1/1/2014

**HMIS Rating** 1-1-0-0

**Manufacturer Disclaimer** Metal Dusts from the buffing of brass, zinc and especially magnesium or aluminum along with buffing cloth fibers and compound residues may cause fires or explosions when exposed to a strong ignition source. These fires typically are started in the vent pipes, collector bags or receptacles used in waste gathering from the buffing ventilation system. Make sure that the collectors are changed frequently and the

waste kept in a cool, dry environment that is free from sparks or other strong ignition sources. The collection devices should be grounded to minimize static charges.Dust collection receptacles should be designed by engineers who are familiar with the potential hazard of a flammable or explosive dust. If such a fire occurs, fight the fire with a Class D fire extinguisher. Do not use water or a halogenated extinguishing media.