

SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: PENETROX™ A OXIDE INHIBITING COMPOUND

Product Description: Oxide inhibiting natural (petroleum) base compound with evenly suspended zinc particles.

Intended Use: Aluminum to aluminum connections, aluminum to copper connections, and aluminum conduit threads.

COMPANY IDENTIFICATION

Supplier: BURNDY LLC
47 East Industrial Park Drive
Manchester, NH 03109 USA

Canada Distributor: BURNDY Canada Inc.
870 Brock Rd S
Pickering, ON. L1W 1Z8

24 Hour Emergency (INFOTRAC) (800) 535-5053 (US and Canada)

(352) 323-3500 (International)

Burndy Informational Number (603) 647-5000

SECTION 2 HAZARDS IDENTIFICATION

CLASSIFICATION

Health	Environmental	Physical
•No Classifiable hazards	•No Classifiable hazards	•No Classifiable hazards

LABELLING

Symbols: Not Applicable	
Signal Word: Not Applicable	
Hazard Statements Not Applicable	Precautionary Statements Not Applicable

ADDITIONAL INFORMATION

Hazards not otherwise classified: No additional information available

Unknown acute toxicity: Not applicable

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

MIXTURES

Name	CAS#	Wt. Percentage*
Zinc Oxide	1314-13-2	2

* 98% material composition inclusive of inert and non-hazardous filler withheld as trade secret in accordance with paragraph 1910.1200(i)(1).

SECTION 4 FIRST AID MEASURES

DESCRIPTION OF THE FIRST AID MEASURE

Eye: In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. This compound contains abrasive particles. If irritation persists, get medical attention.

Skin: In case of contact, immediately flush skin with plenty of water. Call a physician if irritation develops and persists.

Inhalation: Not a normal route of exposure. If symptoms develop, remove to fresh air. Get medical attention if condition worsens.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Skin: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Inhalation: Not a normal route of exposure.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea, vomiting, and diarrhea.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

Note to Physicians: Symptoms may not appear immediately.

Specific Treatments: In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5 FIRE FIGHTING MEASURES

FLAMMABILITY

Flammability: Not flammable by WHMIS/OSHA criteria.

EXTINGUISHING MEDIA

Suitable Extinguishing Media: Dry chemical, foam, carbon dioxide.

Unsuitable Extinguishing Media: Do not use water jet.

SPECIAL HAZARDS ARISING FROM THE CHEMICAL

Products of Combustion: May include, and are not limited to: oxides of carbon.

Reactivity: No dangerous reactions known under normal conditions of use.

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS

Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

- For non-emergency personnel:** No additional information available
- For emergency responders:** No additional information available
- Environmental precautions:** Prevent entry to sewers and public waters.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Cleaning-Up: Scoop up material and place in a disposal container.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Handling: Avoid contact with skin and eyes. Do not swallow. Avoid breathing vapour/mist/dust/fumes/gas/spray. Handle and open container with care. When using do not eat or drink. (See section 8)

General Hygiene Advice: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage: Keep out of the reach of children. Keep container tightly closed. (See section 10)

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS:

Exposure Guidelines

Occupational Exposure Limits				
Ingredient	OSHA-PEL	ACGIH	US - IDLH	NIOSH REL
Zinc oxide (1314-13-2)	TWA - 5 mg/m ³ (fume); 15 mg/m ³ (total dust); 5 mg/m ³ (respirable fraction)	TWA - 2 mg/m ³ (respirable particulate matter) STEL: 10 mg/m ³ (respirable particulate matter)	500 mg/m ³	TWA: 5 mg/m ³ (dust and fume) STEL: 10 mg/m ³ (fume) Ceiling: 15 mg/m ³ (dust)

EXPOSURE CONTROLS

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

INDIVIDUAL PROTECTIVE MEASURES

Eye/Face Protection:	Safety glasses or goggles are recommended when using product.
Skin Protection:	
Hand Protection:	Wear chemical resistant gloves.
Body Protection:	Wear suitable protective clothing.
Respiratory Protection:	None necessary under normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental exposure controls:	Avoid release to the environment.

General Health and Safety Measures:

Handle according to established industrial hygiene and safety practices. Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking.

SECTION 9	PHYSICAL/CHEMICAL PROPERTIES
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INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Paste / Thick grease.
Color:	Gray.
Odor:	Mild odour.
Odor Threshold:	Not available.
Physical State:	Solid.
pH:	Not available.
Melting Point/Freezing Point:	Not available.
Initial Boiling Point and Boiling Range:	Not available.
Flash Point:	> 204 °C (> 400 °F)
Relative Evaporation Rate (butylacetate = 1):	Not available.
Flammability:	Not flammable.
Lower Flammability/Explosive Limit:	Not available.
Upper Flammability/Explosive Limit:	Not available.
Vapor Pressure:	Not available.
Relative Vapor Density at 20°C:	> 1 (Air = 1)
Relative Density/Specific Gravity:	1.47
Solubility:	Insoluble.
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition Temperature:	> 204 °C (> 400 °F)
Decomposition Temperature:	Not available.
Viscosity:	Not available.
Explosive Properties:	Not available.
Oxidizing Properties:	Not available.

SECTION 10	STABILITY AND REACTIVITY
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REACTIVITY:	No dangerous reaction known under conditions of normal use.
CHEMICAL STABILITY :	Stable under normal storage conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:	
CONDITIONS TO AVOID:	No dangerous reaction known under conditions of normal use.
INCOMPATIBLE MATERIALS:	Heat. Incompatible materials.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxidizers.
	May include, and are not limited to: oxides of carbon.

SECTION 11**TOXICOLOGICAL INFORMATION****INFORMATION ON TOXICOLOGICAL EFFECTS****Symptoms related to physical/chemical/toxicological characteristics:**

- Eye:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Skin:** May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
- Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting, gastrointestinal irritation and diarrhea.
- Inhalation:** Not a normal route of exposure.

ACUTE TOXICITY:

Ingredient	LD50
Zinc oxide	Oral >5000 mg/kg, rat;

See Section 15 for more information.

Acute toxicity (oral):	Not classified
Acute toxicity (dermal):	Not classified
Acute toxicity (inhalation):	Not classified

DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT- AND LONG-TERM EXPOSURE

Skin Corrosion/Irritation:	Based on available data, the classification criteria are not met.
Serious Eye Damage/Irritation:	Based on available data, the classification criteria are not met.
Respiratory Sensitization:	Based on available data, the classification criteria are not met.
Skin Sensitization:	Based on available data, the classification criteria are not met.
STOT-Single Exposure:	Based on available data, the classification criteria are not met.
Chronic Health Effects:	
Carcinogenicity:	Based on available data, the classification criteria are not met.
Germ Cell Mutagenicity:	Based on available data, the classification criteria are not met.
Reproductive Toxicity:	Not classified

STOT-Repeated Exposure: Based on available data, the classification criteria are not met.

Aspiration Hazard: Based on available data, the classification criteria are not met.

Toxicologically Synergistic Materials: Not available.

Other Information: Not available.

SECTION 12**ECOLOGICAL INFORMATION****ECOTOXICITY**

Acute/Chronic Toxicity: Very toxic to aquatic life with long lasting effects.

PERSISTENCE AND DEGRADABILITY

Not established.

BIOACCUMULATIVE POTENTIAL

Bioaccumulation: Not established.

MOBILITY IN SOIL

Not available.

OTHER ADVERSE EFFECTS

Effect on the global warming: No known effects from this product

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHODS

Disposal Method: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

SECTION 14 TRANSPORTATION

Regulatory Information	UN Number	Proper Shipping Name	Hazard Class	Packing Group	Label(s)	RQ	Additional Information
US DOT	Not regulated by DOT						
TDG	Not regulated by TDG						
ADR	Not regulated by ADR						
IATA	Not regulated by IATA						
IMDG	Not regulated by IMDG						

SECTION 15 REGULATORY INFORMATION

Federal Regulations:

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

All components of this product are listed, or excluded from listing, on the Canadian DSL (Domestic Substances List) and NDSL (Non-Domestic Substances List) inventories.

International Regulations: No additional information available

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE CHEMICAL

Canada: This product has been classified in accordance with the Hazardous Products Regulations (HPR) WHMIS 2015 and the SDS contains all the information required by the HPR.

US: SDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

State Regulations

California Proposition 65:

This product does not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

CP65 California Proposition 65
OSHA Occupational Safety and Health Administration.

**SECTION 16****OTHER INFORMATION****THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:**

Revision Date	Description	Sections Affected
6/2/11	MSDS Version written	1-11
7/19/11	Updated to GHS criteria, additional sections added.	1-16
8/1/11	Update	15
6/13/13	Version number update	-
11/22/13	Version number update	-
7/25/14	Updates	3,15
4/28/15	Version number update	-
10/28/15	Updates	1-16
06/30/2017	Updates	1-16

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