

Product Name: PENETROX™ A-2 OXIDE INHIBITING COMPOUND
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SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: PENETROX™ A-2 OXIDE INHIBITING COMPOUND
Product Description: Oxide inhibiting compound.
Intended Use: Corrosion inhibitor.

COMPANY IDENTIFICATION

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

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

Unknown acute toxicity: Not applicable

Additional Information: Not available

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

MIXTURES

Name	CAS#	Wt. Percentage*
Silicon carbide	409-21-2	45

* 55% material composition inclusive of inert and non-hazardous filler withheld as trade secret in accordance with paragraph 1910.1200(i)(1).

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SECTION 4 FIRST AID MEASURES

DESCRIPTION OF THE FIRST AID MEASURE

Eye: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. This compound contains abrasive particles. If eye irritation persists: Get medical advice/attention.

Skin: If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists

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

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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 and cracking of the skin.

Inhalation: Not a normal route of exposure.

Ingestion: May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable Extinguishing Media: Dry chemical, foam, carbon dioxide

Unsuitable Extinguishing Media: Do not use water jet.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE

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

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

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

General Measures: 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

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Environmental precautions: Prevent entry to sewers and public waters.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP

Methods for Containment: Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment.

Methods for Cleaning-Up: Sweep or shovel spills into appropriate container for disposal.

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Handling: Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

General Hygiene Advice: Wash contaminated clothing before reuse. Always wash hands after handling the product.

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

Ingredient	NIOSH-TWA (mg/m ³)	OSHA PEL-TWA (mg/m ³)	ACGIH-TWA (mg/m ³)
Silicon carbide	10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust)	15 mg/m ³ (total dust); 5 mg/m ³ (respirable fraction)	10 mg/m ³ (nonfibrous, inhalable particulate matter, particulate matter containing no asbestos and <1% crystalline silica) 3 mg/m ³ (nonfibrous, respirable particulate matter, particulate matter containing no asbestos and <1% crystalline silica) 0.1 fibers/cm ³ (as determined by the membrane filter method at 400-450X magnification (4-mm objective), using phase-contrast illumination.-respirable fibers, including whiskers, length >5 µm, aspect ratio >=3:1)

EXPOSURE CONTROLS

Engineering Controls: Ensure good ventilation of the work station.

INDIVIDUAL PROTECTIVE MEASURES

Personal Protective Equipment:

Eye/Face Protection: Safety glasses or goggles are recommended when using product.

Skin and Body Protection: Wear suitable protective clothing.

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Hand Protection: Wear suitable gloves.

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.

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

Appearance: Paste / Thick grease.

Color: Grey

Odor: Mild

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 (Solid,Gas): Not flammable.

Vapor Pressure: Not available.

Relative vapour density at 20 °C: > 1 (air = 1)

Relative density: 1.47

Solubility: Insoluble

Partition coefficient n-octanol/water: No data available

Auto-ignition temperature: > 204 °C (400 °F)

Decomposition temperature: No data available

Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

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Explosive limits: No data available

Explosive properties: No data available

Oxidising properties: No data available

SECTION 10 STABILITY AND REACTIVITY

REACTIVITY

No dangerous reaction known under conditions of normal use.

CHEMICAL STABILITY

Stable under normal storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reaction known under conditions of normal use.

CONDITIONS TO AVOID

Heat. Incompatible materials.

INCOMPATIBLE MATERIALS

Oxidizing materials

HAZARDOUS DECOMPOSITION PRODUCTS

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

SECTION 11 TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity (oral): Not classified.

Acute toxicity (dermal): Not classified.

Acute toxicity (inhalation): Not classified.

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Not classified.

Respiratory or skin sensitisation: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

STOT-single exposure: Not classified.

STOT-repeated exposure : Not classified.

Aspiration hazard: Not classified.

Symptoms/effects after inhalation: Not a normal route of exposure.

Symptoms/effects after skin contact: May cause skin irritation. Symptoms may include redness, drying, and cracking of the skin.

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

Symptoms/effects after ingestion : May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

Ecology-general Toxic to aquatic life with long lasting effects

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PERSISTENCE AND DEGRADABILITY

Not established.

BIOACCUMULATIVE POTENTIAL

Bioaccumulation: Not established.

MOBILITY IN SOIL

No additional information available

OTHER ADVERSE EFFECTS

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

Other information: No other effects known.

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.

Other disposal recommendations: Not available.

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

US State Regulations:

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

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

Revision Date	Description	Sections Affected
April 2009	MSDS Version written	All
April 2009	Updates	All
03/10/2011	Updates	All
10/09/2018	Updates	1-16

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