

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Identity: Penebar™ Primer

Manufacturer's Name: Penetron International, Ltd.

Street Address: 45 Research Way, Suite 203, East Setauket, New York 11733, USA

Emergency Telephone Number: +1 (631) 941-9700

Product Use: Water-based adhesive/Surface primer

Date of Preparation of the SDS: 10/15/2004

Date of Last Revision of the SDS: 8/27/2015

SECTION 2 - HAZARDS IDENTIFICATION

Effects of Overexposure:

Eye Contact: No more than slightly irritating based on toxicity studies.

Skin Contact: No more than slightly toxic or irritating based on toxicity studies.

Inhalation: No more than slightly toxic if inhaled based on toxicity studies.

Ingestion: No more than slightly toxic based on toxicity studies. No significant adverse health effects are expected to develop if only small amounts (less than a mouthful) are swallowed.

Medical Conditions Prone to Aggravation by Exposure: None known

Primary Routes of Entry: Dermal, eye contact, inhalation, ingestion

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	% BY WEIGHT	Occupational Exposure Limits		
			TLV	PEL	VAPOR PRESSURE
No significant hazards associated with this material.					

SECTION 4 - FIRST AID MEASURES

Splash (Eyes): Flush immediately with copious quantities of running water for at least 15 minutes. Consult physician if irritation persists.

Splash (Skin): Wash affected area with soap and water. Consult physician if irritation persists.

Inhalation: If symptoms occur, remove to fresh air.

Ingestion: Immediate first aid is not likely to be required. A physician or Poison Control Center can be contacted for advice.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: >200°F (93°C)

Method Used: PMCC

Extinguishing Media: In case of fire, use water spray, foam, carbon dioxide, or dry chemical.

Unusual Fire and Explosion Hazards: The material will not support combustion, unless the water has evaporated.

Special Fire Fighting Procedures: Water may be used to cool closed containers and to prevent pressure build-up.

Firefighting Equipment: Firefighters or others who may be exposed to products of combustion should wear full protective clothing, including self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Steps to Be Taken in Case Material is Released or Spilled: Contain large spills with dikes and transfer the material to appropriate containers for reclamation or disposal. Absorb remaining material or small spills with an inert material and then place in a chemical waste container. Flush residual spill area with water.

Waste Disposal: Dispose of in accordance with local, state and federal regulations. Consult your attorney or appropriate regulatory officials for information on such disposal.

SECTION 7 - HANDLING AND STORAGE

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin and clothing upon exposure.

Storage: THIS PRODUCT IS FREEZE SENSITIVE. The suggested storage conditions are between 50° to 90° F (10° to 32° C). The expected shelf life is 12 months, but after prolonged storage the resin may settle slightly and require agitation to redisperse.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection: Although this product does not cause significant eye irritation or eye toxicity requiring special protection, good industrial practice should be used to avoid eye contact.

Skin Protection: Although this product does not present a significant skin concern, minimize skin contact by following good industrial practice. Wearing of protective gloves is recommended. Wash hands and contaminated skin after handling.

Respiratory Protection: Avoid breathing vapor and/or mist. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure is excessive. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 CFR 1910.134.

Ventilation: Provide natural or mechanical ventilation to minimize exposure. If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

Airborne Exposure Limits:

Product Type: Acrylic multipolymer emulsion

OSHA PEL: None established

ACGIH TLV: None established

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor: Orange liquid

% Volatile Weight: 34

Evaporation Rate (BuAc=1): Slower than ether

Boiling Point: 212°F (100°C)

Vapor Density (Air=1): Heavier than air

Weight/Gallon: 8.48 lb (3.85 kg)

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Hazardous Decomposition Products: None known

Conditions to Avoid: None known

Incompatible Materials: Strong acids, bases and oxidizing agents

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicity studies have not been conducted on this product and limited data are available in current scientific literature. However, toxicity information is available on other closely related acrylic multipolymer emulsions:

- ▶ Results of single exposure (acute) studies conducted on a series of related product indicate that these materials are practically nontoxic orally (rats) or after skin applications (rabbits). They are practically non irritating to rabbit skin and are practically nonirritating to rabbit eyes. No genetic effects were observed in standard tests using bacterial and animal cells.
- ▶ Several related multipolymer emulsions were tested for potential to produce allergic skin reaction in controlled skin contact studies in human volunteers. These materials demonstrated a potential for cumulative irritation, but primary irritation and allergic skin reactions were not observed.
- ▶ No constituents are listed as carcinogens by NTP, IARC or OSHA.

SECTION 12 - ECOLOGICAL INFORMATION

No specific ecological data are available for this product. Please refer to SECTION 6 for information regarding accidental releases and SECTION 15 for regulatory reporting information.

SECTION 13 - DISPOSAL CONSIDERATIONS

This product is not a "hazardous waste," as that term is defined in the Resource Conservation and Recovery Act (RCRA), 40 CFR 261, "Identification and Listing of Hazardous Waste." After solidification, may be disposed of in a sanitary landfill licensed to receive non-hazardous waste.

SECTION 14 - TRANSPORT INFORMATION

REGULATORY INFORMATION	UN NUMBER	PROPER SHIPPING NAME	CLASSES	PG*	ADDITIONAL INFO
DOT Classification	Not Regulated	-	-	-	
TDG Classification	Not Regulated	-	-	-	
ADR/RID Class	Not Regulated	-	-	-	
IMDG Class	Not Regulated	-	-	-	
IATA-DGR Class	Not Regulated	-	-	-	

*PG – Packing Group

Other Information: Not regarded as hazardous product for transportation (Recommendations on the Transport of Dangerous Goods: Model Regulations; 16 revised edition, United Nations 2009).

SECTION 15 - REGULATORY INFORMATION

TSCA (Toxic Substances Control Act): All ingredients are on the TSCA Chemical Substances Inventory.

SARA Hazard Notification:

Hazard Categories Under Title III Rules (40 CFR 370): N/A

Section 313 Toxic Chemicals: N/A

This product is not hazardous under applicable DOT, ICAO/IATA or IMDG regulations.

SECTION 16 - OTHER INFORMATION

The information and recommendations provided herein are believed to be accurate at the time of preparation obtained from sources believed to be reliable. Penetron International, Ltd. makes no warranty, expressed or implied, concerning this document or the accuracy of the information contained herein. The information and recommendations contained herein are not intended to relieve the reader of responsibility to investigate and understand the laws, procedures and regulations applicable to the reader's enterprise, not to relieve the reader of responsibility to comply with laws applicable to the reader's enterprise and place of business and to verify independently the information provided in this document as it may relate to the reader's specific process or application.

LEGENDS

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstract Services

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980

CFR: Code of Federal Regulations

DOT: Department of Transportation

N/Av: Not Available

N/A: Not Applicable

OSHA: Occupational Safety and Health Administration

SARA: Superfund Amendments and Reauthorization Act

TDG: Canadian Transportation of Dangerous Goods Act & Regulations

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