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# Material Safety Data Sheet

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**PRODUCT NAME: PENETREAT**

===== SECTION I - MANUFACTURER IDENTIFICATION =====

MANUFACTURER'S NAME: Sashco, Inc.  
ADDRESS: 10300 E. 107th Place, Brighton, CO 80601  
EMERGENCY PHONE: 1-800-535-5053  
INFORMATION PHONE: 1-800-767-5656  
DATE REVISED: January 4, 2013  
REPLACES: December 3, 2010  
REASON REVISED: Annual Review  
CODE IDENTIFICATION: PEN  
PRODUCT IDENTIFICATION: PeneTreat

===== SECTION II – PRODUCT IDENTIFICATION =====

PRODUCT TRADE NAME: PeneTreat  
CHEMICAL NAME AND SYNONYMS: Disodium Octaborate Tetrahydrate  
CAS NO.: 12280-03-4  
TSCA NO.: 12008-41-2  
EPA Reg. NO.: 64820-1  
FORMULA: (approx.)  $\text{Na}_2\text{B}_8\text{O}_{13}\cdot 4\text{H}_2\text{O}$   
CHEMICAL FAMILY: Sodium Borate  
HAZARD RATING: HMIS Health 0  
Flammability 0  
Reactivity 0

===== SECTION III – HAZARDOUS INGREDIENTS =====

MATERIAL OR COMPONENT %:  
Disodium Octaborate Tetrahydrate > 98% CAS # 12280-03-4

Warning: This product contains trace amounts of arsenic (less than 23 ppm), a chemical known by the State of California to cause cancer.

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

FLASH POINT (°F): N/A  
FLAMMABLE LIMITS: N/A  
EXTINGUISHING MEDIA: Water and dry chemical  
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear positive pressure, full face self-contained breathing apparatus. Cool exposed containers with water spray.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: May decompose under fire conditions emitting toxic and irritant gases to the respiratory tract.

===== SECTION V - HEALTH HAZARD DATA =====

EFFECTS OF OVEREXPOSURE: May cause skin irritation. Can cause eye irritation. Can cause gastro-intestinal irritation.  
EMERGENCY AND FIRST AID PROCEDURES: If product has been ingested, administer two glasses of water and contact a physician. If material comes in contact

with eyes, rinse thoroughly for at least 20 minutes. If irritation persists, contact a physician. If the skin is exposed to the coating, wash thoroughly with soap and water.

===== SECTION VI - REACTIVITY DATA =====

STABILITY: Stable  
INCOMPATIBILITY: Strong oxidizing or reducing agents  
HAZARDOUS DECOMPOSITION PRODUCTS: Smoke may be acrid, CO, CO<sub>2</sub>, and NO<sub>x</sub> fumes emitted when heated to decomposition.  
HAZARDOUS POLYMERIZATION: Will not occur

===== SECTION VII - SPILL OR LEAK PROCEDURES =====

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb with earth, sand or similar inert material and dispose of with solid waste according to federal, state, and local regulations. Flush spill area with a water spray.

WASTE DISPOSAL METHOD: Dispose of liquid waste according to federal, state, and local regulations.

===== SECTION VIII - SPECIAL PROTECTION INFORMATION =====

RESPIRATORY PROTECTION: NIOSH-approved respirator, where TLV or PEL may be exceeded.  
VENTILATION: At high concentrations, use with adequate ventilation.  
PROTECTIVE GLOVES: Impervious gloves of natural latex or neoprene.  
EYE PROTECTION: Chemical goggles  
OTHER PROTECTIVE EQUIPMENT: Impervious apron and boots as needed.

===== SECTION IX - SPECIAL PRECAUTIONS =====

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. At high concentrations, use with adequate ventilation. Keep container closed. Although product is freeze-thaw stable (at least 5 cycles), it should be stored at moderate temperatures.

OTHER PRECAUTIONS: Keep away from children. Keep away from animals.

===== SECTION X – TRANSPORTATION =====

US Ground (DOT): Not Regulated  
Canada (TDG): Not Regulated  
IMO: Not Regulated  
IATA/ICAO: Not Regulated

===== SECTION XI - DISCLAIMER =====

DISCLAIMER:  
The information contained herein is based on data available at the time of preparation of this data sheet and which Sashco Inc. believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. Sashco, Inc. shall not be responsible for the use of this information or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment and the health and safety of your employees and users of this material.