

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**Product Identity:** Penebar™ SW-55

**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:** Concrete joint waterstop

**Date of Preparation of the MSDS:** 11/22/2004

**Date of Last Revision of the MSDS:** 8/28/2014

## SECTION 2 - HAZARDS IDENTIFICATION

**Physical Form:** Solid

**Odor:** Slight petroleum odor

**HMIS Rating:** Health = 0; Fire = 1; Reactivity = 0; Protection = A

**Primary Entry Routes:** Inhalation, ingestion, skin contact, eye contact

**Target Organs or Systems:** Lungs

**Signs and Symptoms of Exposure (Chronic Effects):** Repeated or prolonged contact inhalation may cause toxic effects. For additional detail see SECTION 11.

**Risk Phrases:**

**R36/37/38** Irritating to eyes, respiratory system and skin

**Safety Phrases:**

**S2** Keep out of reach of children.

**S24/25** Avoid contact with skin and eyes.

**S26** In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**S28** After contact with skin, wash immediately with plenty of water.

**S36/37/39** Wear suitable protective clothing, gloves and eye/face protection.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS NUMBER	% BY WEIGHT
Bentonite clay	1302-78-9	35-60
Carbon black	1333-86-4	0.1-1
Petroleum distillate	-	3-10
Other Non-Hazardous Ingredients	-	10-20

**Chemical Composition Comment:** This product does not contain any specific hazardous material as per Annex I of Directive 67/548/EEC.

## SECTION 4 - FIRST AID MEASURES

**Eye Contact:** Immediately flush with water for 15 minutes. Remove contact lenses if applicable to person and easily possible. Seek medical attention if irritation occurs.

**Skin Contact:** Immediately flush affected area with water for 15 minutes. Remove and wash any contaminated clothing. Seek medical attention if irritation occurs.

**Inhalation:** Move affected individual to fresh air and seek medical attention immediately.

**Ingestion:** Immediately rinse mouth out with water. Do not induce vomiting. Seek immediate medical attention.

## SECTION 5 - FIRE FIGHTING MEASURES

**Flammable Properties:** Product is not readily flammable but combustible.

**Suitable Extinguishing Media:** Use any extinguishing media suitable for the surrounding fire. Dry chemical powder, CO2, foam, sand and regular water spray.

**Protection of Firefighters:** Firefighters should wear self-contained breathing apparatus and full fire fighting turn-out gear.

**Chemical Hazards:** Mixed with water, the product will produce an alkaline solution, which can cause skin irritation.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** None known. Wear PPE's, protective clothing and respiratory protection.

**Environmental Precautions:** None known. Keep spilled material and runoff from entering drains, sewers, ditches and waterways.

**Methods for Clean-up:** Vacuum, shovel or sweep up spilled material and place in a tightly sealed container for proper disposal.

#### SECTION 7 - HANDLING AND STORAGE

**Handling:** Wear appropriate protective clothing and dust masks when there is risk of exposure. Minimize unnecessary personal contact. Workers should wash hands and face before eating and drinking.

**Storage:** Store in original container whenever possible. Store in a cool, dry, well-ventilated area out of direct sunlight. Do not store in the vicinity of food and drink. Keep in sealed container until needed.

#### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

PRODUCT NAME	EXPOSURE LIMITS		FORM
	OSHA PEL TWA	ACGIH TLV TWA	
Bentonite clay	N/A	N/A	Respiration
Petroleum distillate	500 ppm	400 ppm	Inhalation
Carbon black	3.5 mg/m <sup>3</sup>	3 mg/m <sup>3</sup>	Inhalation

Consult local or regional authorities for acceptable exposure limits.

#### Personal Protective Equipment (PPE):

**Eye/Face Protection:** Use safety goggles and chemical goggles for fumes.

**Skin Protection:** Wear rubber or plastic gloves for prolonged exposure.

**Respiratory Protection:** Under normal conditions, use of a dust mask or thermal processing fumes is recommended. In cases where airborne concentrations are expected to exceed exposure limits, wear a NIOSH approved air-purifying device.

**General Hygiene Considerations:** Wash all exposed skin after handling materials and before eating, drinking or using a lavatory. Launder all clothes and wash protective gear once finished using materials.

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Black color

**Odor:** Slight petroleum

**Physical State:** Solid

**Boiling Point:** N/A

**Vapor Pressure (mm Hg):** None

**Vapor Density (Air = 1):** None

**Solubility in Water:** N/A

**Melting/Freezing Point:** N/A

**Evaporation Rate (Butane Acetate = 1):** N/A

**Evaporation Rate (ETHER = 1):** N/A

**Volatile (% Volume):** N/A

**Specific Gravity:** ~1.50

#### SECTION 10 - STABILITY AND REACTIVITY

**Chemical Stability:** Products are stable under prescribed storage and handling conditions.

**Conditions to Avoid:** Avoid exposure without appropriate protective work clothing and masks. Protect from high humid and hot conditions.

**Incompatible Materials:** Not known

**Hazardous Decomposition:** Thermal decomposition can release CO and CO<sub>2</sub>.

**Hazardous Reactions:** Not occur

#### SECTION 11 - TOXICOLOGICAL INFORMATION

##### Acute Toxicity (Carbon Black, CAS # 1333-86-4):

**LD50 (oral, rat):** >8000 mg/kg

**Inhalation:** No data available.

**Dermal:** No data available.

**Carcinogenicity:** Group 2B (in accordance to ACGIH, A2 can cause cancer to humans).

#### SECTION 12 - ECOLOGICAL INFORMATION

**Environmental Toxicity:** N/Av

**Ecotoxicity:** N/Av

**Degradability:** N/Av

**Bioaccumulation:** N/Av. Based on physical properties of this product, significant persistence and bioaccumulation would not be expected.

#### SECTION 13 - DISPOSAL CONSIDERATIONS

**Waste Disposal:** Disposal should be in accordance with applicable regional, national and local laws and regulations. Avoid spillage of material and prevent material or runoff from entering drains, sewers, ditches and waterways. Minimize use of water to prevent environmental contamination.

#### 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

US FEDERAL REGULATIONS:

This product is regarded as non-hazardous in accordance to OSHA safety standard.

**US – State of California:** This product contains a chemical known to cause cancer (Carbon black - 1333-86-4)/Carcinogenic substance.

**United States Inventory (TSCA, 8b):** Not determined

**SARA 302 Extremely Hazardous Substances:** No

**SARA 311 Hazardous Chemicals:** No

EU GUIDELINES:

This product has been established and marked in accordance with EU Directive/Ordinance on non-hazardous materials.

CANADIAN INFORMATION:

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

**Canadian Environmental Protection Act (CEPA) Information:** All ingredients listed appear on the Domestic Substances List (DSL).

#### SECTION 16 - OTHER INFORMATION

The information herein refers only to the materials listed. It does not relate to the use of these materials in combination with any other materials or applications for which the product is not intended. The information included is accurate and reliable as of the most recent revision date of this MSDS.

#### 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

Penetron International, Ltd.  
45 Research Way, Suite 203  
East Setauket, NY 11733, USA  
+1 (631) 941-9700  
penetron.com  
info@penetron.com