

SAFETY DATA SHEET

TERM™ Sealant Barrier

Section 1. Identification

GHS product Identifier : TERM™ Sealant Barrier

Other means of identification : Not available

Relevant identified used of the substance or mixtures and uses advised against

TERM™ Sealant Barrier is designed for filling minor cast concrete cracks, concrete masonry cracks, gaps at head joints, penetrations, and gypsum sheathing joints.

Supplier's details : Polyguard Products, Inc.
4101 South Interstate 45
Ennis, TX 75119
Tel: (800) 541-4994

Emergency telephone number) with hours of operation) : CHEMTREC, US 1-800-424-9300 International 1-703-527-3887

: (24/7)

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazardous Communications Standard (49CFR1910.1200) .

Classification of the substance or mixture : Flammable liquid- Category 3
Skin/Corrosive/Irritation- Category 2
Carcinogenicity- Category 1A
Toxic to Reproduction (Fertility)- category 2
Toxic to Reproduction (Unborn child)- category 2
Specific Target Organ Toxicity (Single Exposure) (Narcotic effects)- Category 3
Specific Target Organ Toxicity (Repeated Exposure) - Category 2
Aquatic Hazard (Long-Term) - Category 3

GHS label elements
Hazard pictogram



Signal word

Hazard statement

: Danger
: Flammable liquid and vapor.
Causes skin irritation.
May cause cancer.
Suspected of damaging fertility or the unborn child.
May cause drowsiness and dizziness.
May cause damage to organs through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects.

Section 2. Hazards identification

Precautionary statements

Prevention

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves/clothing and eye /face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion- proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well- ventilated area. Avoid release to the enviroment. Do not breathe vapor.Wash hands thoroughly after handling.

Response

: Get medical attention of you feel unwell. If exposed or concerned: Get medical advice/attention. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair) Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical attention. IF IN EYES; Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage

: Store locked up. Store in a well-ventilated area. Keep cool.

Disposal

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified

: None known.

Section 3. Composition/information on ingredients

Substance/Mixture

: Mixture

Other means of identification

: Not available

CAS number/other identifiers

CAS Number

: Not available

Product Code

: Not available

Ingredient name	%	CAS Number
Petroleum Asphalt	30-60	8052-42-4
Toluene	10-30	108-88-3
n-Hexane	10-30	110-54-3
Isohexane	5-10	73513-42-5
Crystalline silica, quartz	0.1-1	14808-60-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

Occupational exposure limits, if available , are listed in Section 8.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable are classified as haardous to health or the environment and hence require reporting in this section.

Section 4. First aid measures

Description of necessary first aid measures.

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If may be dangerous to the person providing aid to give mouth to mouth resuscitation. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.
- Skin Contact** : Causes skin irritation.
- Ingestion** : Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following: pain or irritation, watering, redness.
- Inhalation** : Adverse symptoms may include the following: nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness, reduced fetal weight, increase in fetal deaths, skeletal malformations.
- Skin Contact** : Adverse symptoms may include the following: irritation, redness, reduced fetal weight, increase in fetal deaths, skeletal malformations.
- Ingestion** : Adverse symptoms may include the following: reduced fetal weight, increase in fetal deaths, skeletal malformations.

Indication of immediate medical attention and special treatment needed, if necessary

- Notes to physician:** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment
- Protection of fire- aiders** : No specific protection is required.

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use Carbon dioxide, regular dry chemical, regular foam or water spray (fog).

Unsuitable extinguishing media : Do not use water jet or water- based fire extinguishers.

Specific hazards arising from the chemical : Flammable liquid and vapor. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products : Decomposition products may include the following materials: Carbon Monoxide, Carbon Dioxide, Metal oxides and low molecular weight hydrocarbons.

Special protective equipment and precautions for firefighters : Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in a positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures.

For non emergency personal : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk thru spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment(see section 8).

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel.

Enviromental precautions : Avoid disposal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods and materials for containment and cleaning up : Ventilate the area. Stop leak if possible without personal risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release for upwind. Prevent entry into sewers, water courses, basements or confined spaces areas. Contain and collect spillage with non-combustible, absorbent material, e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note; See section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures

: Put on appropriate personnel protective equipment (see section 8). Avoid exposure-obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in original container or an approved alternative made from compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

: Store and handle in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

<u>Ingredient name</u>	<u>Exposure limits</u>
Petroleum Asphalt	NIOSH CEIL: 5 mg/m ³ 15 min (fume)
Toluene	ACGIH TWA: 0.5 mg/m ³ (as benzene soluble aerosol)- 8 hrs. -inhalable NIOSH REL STEL: 560 mg/m ³ - 15 mins. TWA: 375 mg/m ³ - 10 hrs.
N-Hexane	OSHA AMP: 500 ppm- 10 mins. CEIL: 300 ppm TWA: 200 ppm- 8 hrs. ACGIH TWA: 20 ppm- 8 hrs. ACGIH TWA: 50 ppm- 8 hrs. NIOSH REL TWA: 180 mg/m ³ - 10 hrs. OSHA TWA: 1808 mg/m ³ - 8 hrs.

Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
Isohexane	ACGIH TWA: 1760 mg/m ³ - 8 hrs. STEL: 3500 mg/m ³ - 15 mins. OSHA TWA: 1800 mg/m ³ - 8 hrs STEL: 3600 mg/m ³ - 15 mins. NIOSH REL CEIL: 1800 mg/m ³ - 15 mins. TWA: 350 mg/m ³ - 10 hrs.
Crystalline Silica, quartz	ACGIH TWA: 0.025 mg/m ³ - 8 hrs.m Respirable fraction OSHA TWA: 10mg/m ³ (SiO ₂)- 8 hrs. Form; Respirable NIOSH REL TWA: 0.05 mg/m ³ - 10 hrs. Form: Respirable dust

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor and dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures

Hygiene measure:

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the work station location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases and dusts.

Skin Protection

Hand protection

: Use chemical resistant impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should be anti-static overalls, boots and gloves.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: Use a properly fitted, air purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

Appearance	
Physical state	: Paste
Color	: Black
Odor	: Asphaltic
Odor threshold	: Not available
pH	: Not available
Melting point	: Not available
Boiling point	: Not available
Flash Point	: 76 °F TCC
Evaporation rate:	: Not available
Flammability(solid, gas)	: Not available
Lower & upper explosive (flammable) limits	: Not available
Vapor density	: Not available
Vapor pressure	: Not available
Relative density	: 6.87
Specific gravity	: 0.825
Solubility	: Insoluble in water
Partition coefficient: n-octanol/water	: Not available
Auto- ignition temperature	: Not available
Decomposition temperature	: Not available
VOC	: 300 g/l
Viscosity	: Not available

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or ingredients.
Chemical stability	: Stable at room temperature and pressure.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	: Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials, acids and alkalis.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be formed.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Petroleum asphalt	LD50 Oral	Rat	>5000 mg/kg	-
Toluene	LC50 Inhalation Vapor	Rat	49 g/m ³	4 hours
	LD50 Oral	Rat	636 mg/kg	-
n-Hexane	LC50 Inhalation Gas	Rat	48000 ppm	4 hours
	LD50 Oral	Rat	15840 mg/kg	-

Irritation/corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observations
Toluene	Eyes- Mild irritant	Rabbit	-	0.5 mins. 100 mg	-
	Skin- Moderate irritant	Rabbit	-	24 hours 20 mg	-
	Eyes- Mild irritant	Rabbit	-	870 µg	-
	Eyes- Severe irritant	Rabbit	-	24 hours 2 mg	-
	Skin- Mild irritant	Pig	-	24 hours 250 µl	-
	Skin- Mild irritant	Rabbit	-	435 mg	-
	Skin- Moderate irritant	Rabbit	-	500 mg	-
n-Hexane	Eyes- Mild irritant	Rabbit	-	10 mg	-

Sensitization

Skin : There is no data available.

Respiratory : There is no data available.

Mutagenicity : There is no data available.

Carcinogenicity

Classification

Product/ingredient name	OSHA	IARC	NTP
Petroleum asphalt	-	2 B	-
Toluene	-	3	-
Crystalline silica, quartz	-	1	Known to be a human carcinogen

Reproductive toxicity : There is no data available.

Teratogenicity : There is no data available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Toluene	Category 3	Not applicable	Narcotic effect
n-Hexane	Category 3	Not applicable	Narcotic effect
Isohexane	Category 3	Not applicable	Narcotic effect

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Toluene	Category 2	Not determined	Not determined
n-Hexane	Category 2	Not determined	Not determined
Isohexane	Category 1	Not determined	Kidneys, respiratory tract and testes.

Section 11. Toxicological information

Aspiration hazard

<u>Name</u>	<u>Result</u>
Toluene	ASPIRATION HAZARD – Category 1
n-Hexane	ASPIRATION HAZARD – Category 1
Isohexane	ASPIRATION HAZARD – Category 1

Information on the likely routes of exposure : Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness and dizziness.

Skin contact : Causes skin irritation.

Ingestion : Can cause central nervous system (CNS) depression. Irritating to mouth, throat and stomach.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following: pain or irritation, watering and redness.

Inhalation : Adverse symptoms may include the following: nausea or vomiting, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness, reduced fetal weight, increase in fetal deaths and skeletal malformations.

Skin contact : Adverse symptoms may include the following: irritation, redness, reduced fetal weight, increase in fetal deaths and skeletal malformations.

Ingestion : Adverse symptoms may include the following: reduced fetal weight, increase in fetal deaths and skeletal malformations.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : No known or significant effects or critical hazards.

Potential delayed effects : No known or significant effects or critical hazards.

Long term exposure

Potential immediate effects : No known or significant effects or critical hazards.

Potential delayed effects : No known or significant effects or critical hazards.

Potential chronic health effects

General : May cause damage to organs through prolonged or repeated exposure.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : No known or significant effects or critical hazards.

Teratogenicity : Suspected of damaging the unborn child.

Developmental effects : No known or significant effects or critical hazards.

Fertility effects : Suspected of damaging fertility.

Target organs : Contains material which may cause damage to the following organs: kidneys, the nervous system, the reproductive system, liver, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS), eye, lens, or cornea.

Numerical measures of toxicity

Acute toxicity estimates : There is no data available.

Section 12. Ecological information

Toxicity

<u>Product/ingredient name</u>	<u>Result</u>	<u>Species</u>	<u>Exposure</u>
Toluene	Acute EC50 433 ppm Marine water	Algae-Skeletonema costatum	96 hours
	Acute EC50 12500 µg/L Fresh water	Algae- Pseudokirckneriella subcapitata	72 hours
	Acute EC50 11600 µg/L Fresh water	Crustaceans- Gammarus pseudolimnaeus- Adult	48 hours
	Acute EC50 6000 µg/L Fresh water	Daphnia-Daphnia magna- Juvenile (Fledging, hatchling, Weanling)	48 hours
	Acute LC50 5500 µg/L Fresh water	Fish-Oncorhynchus kisutch-Fry	96 hours
	Chronic NOEC 500000 µg/L Fresh water	Algae- Pseudokirckneriella subcapitata	96 hours
	Chronic NOEC 1000 µg/L Fresh water	Daphnia-Daphnia magna	21 days
n-Hexane	Acute LC50 113000 µg/L Fresh water	Fish-Oreochromis mossambicus	96 hours

Persistence and degradability : No information available for this product.

<u>Product/ingredient name</u>	<u>LogP_{ow}</u>	<u>BCF</u>	<u>Potential</u>
Toluene	2.73	90	Low
n-Hexane	4	501.187	High

Mobility in the soil

Soil/water partition coefficient (K_{oc}) : There is no data available for this product.

(K_{oc})

Other adverse effects : No information available for this product.

Section 13. Disposal considerations




Disposal methods

: The generation of waste should be avoided or minimized whenever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable product via a licensed waste disposal contractor. Waste packaging should be recycled. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld, or grind used containers unless they have been cleaned thoroughly internally. Disposal of this product in accordance with all applicable federal, state, regional and local laws and regulations. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States- RCRA Toxic hazardous waste” U: List

<u>Ingredient</u>	<u>CAS #</u>	<u>Status</u>	<u>Reference number</u>
Toluene	108-88-3	Listed	U220

Section 14. Transport information

	DOT Classification	IMDG	IATA
UN Number	UN 1139	UN 1139	UN 1139
UN Proper Shipping name	Coating solution	Coating solution	Coating solution
Transport Hazard class	 3	 3	 3
Packing group	III	III	III
Environmental hazards	No	No	No
Additional Information			

Shipping exemptions: For containers less than 1.5 gallons product may be shipped as a limit quantity. Prior to shipping, review current shipping regulations to ensure compliance with most current regulations.

Section 15. Regulatory information**Safety, health and environmental regulations specific for the product****United States Regulations**

TSCA inventory	: All components are listed or exempted.
Clean Water act (CWA) 307	: Toluene
Clean Water act (CWA) 311	: Toluene
Clean Air Act Section 112 (b)	: Listed
Hazardous Air Pollutants (HAPS)	
Clean Air Act Section 602	: Not listed
Class I Substances	
Clean Air Act Section 602	: Not listed
Class II Substances	
DEA list I Chemicals	: Not listed
(Precursor Chemicals)	
DEA list II Chemicals	: Listed
(Essential Chemicals)	
SARA 302/304	
Composition /information on ingredients	
No chemicals found	
SARA 304 RQ	: Not applicable
SARA 311/312	: Fire hazard, Immediate (Acute) and delayed (chronic) health hazard.
SARA 313	

	Product name	CAS number	%
Form R- Reporting requirements	Toluene	108-88-3	10-30
	n-Hexane	110-54-3	10-30
Supplier notification	Toluene	108-88-3	10-30
	n-Hexane	110-54-3	10-30

SARA 313 notifications must be not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached copies of the SDS subsequently redistributed.

Section 15. Regulatory information

State regulations

Massachusetts- RTK

: The following components are listed: Petroleum asphalt, Toluene, n-Hexane, limestone.

New York- RTK

: The following components are listed: Toluene, n-Hexane.

New Jersey- RTK

: The following components are listed: Petroleum asphalt, Toluene, n-Hexane, limestone, Crystalline silica, quartz.

Pennsylvania- RTK

: The following components are listed: Petroleum asphalt, Toluene, n-Hexane, limestone, Crystalline silica, quartz.

California Prop 65

: **Warning!** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 16. Other information

Date of revision	: 8/15/15
Date of previous issue	: N/A
Revisions:	: Not applicable
Version	: 1
Prepared by	: C. Rogalski

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.