

# SAFETY DATA SHEET

## Section 1. Identification

**Product name** Permashield TS-RK  
**SDS No.** 46431  
**Recommended product use** Tire Sealant

**Manufacturer** Permashield USA LLC  
8815 S. Airport Way #9  
Tulsa, OK 74132

**General information telephone** 504.915.1423

**EMERGENCY TELEPHONE** 800.255.3924 (ChemTel Inc.)



## Section 2. Hazards identification

**OSHA/HCS status** While this product is not classified by the OSHA Hazard Communication (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

**Physical hazards** Not classified

**Health hazards** Not classified

**GHS label elements** Not applicable

**Signal word** Not applicable

**Hazard statements** No known significant effects or critical hazards

**Precautionary statements**

- Prevention** Not applicable
- Response** Not applicable
- Storage** Store indoors at room temperature. Protect from freezing. Keep containers closed.
- Disposal** Dispose of product and container in accordance with local, state, federal and international regulations.
- Hazards not otherwise classified** Product spills may result in slippery floors.

### Section 3. Composition/information on ingredients

Substance/mixture Mixture

Ingredient name	CAS Number	%
Propylene Glycol	57-55-6	30 - 50
Triethanolamine	102-71-6	1 - 5

Ingredient concentrations are shown as ranges to protect confidentiality. Product does not contain any other ingredients within reportable concentrations that are currently known by the supplier to be health or environmental

### Section 4. First aid measures

<b>Eye contact</b>	Check for and remove contact lenses while flushing eyes immediately with plenty of water for at least 15 minutes. Get prompt medical attention.
<b>Skin contact</b>	Flush skin immediately with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation occurs, get medical attention. Wash clothing and thoroughly clean shoes before reuse.
<b>Inhalation</b>	Remove to fresh air if breathing is difficult and get medical attention. If person inhales smoke and decomposition products in the event of a fire, symptoms may be delayed. Exposed person should be watched for 48 hours and medical attention sought if symptoms occur.
<b>Ingestion</b>	Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep head low to prevent regurgitation of stomach contents into the lungs. If person is unconscious, do not give anything by mouth. Get medical attention immediately. If person is conscious, rinse out mouth with plenty of water. If person feels sick, get medical attention.
<b>Most important symptoms/effects, acute and delayed</b>	Contact with eyes may cause pain, temporary irritation, watering, redness and blurred vision. Contact with skin may cause temporary irritation, redness, defatting, drying and cracking. See Section 11 for any delayed health effects.
<b>Indication of immediate medical attention and special treatment needed, if necessary</b>	
<b>Note to physician</b>	Treat symptomatically. In case of inhalation of smoke and decomposition products in the event of a fire, symptoms may be delayed and may require medical surveillance of the exposed person for 48 hours.
<b>General information</b>	Provide safety data sheet to attending physician or medical personnel.

### Section 5. Fire-fighting measures

**Suitable extinguishing media** Use water fog, foam, dry chemical or carbon dioxide extinguisher or spray.

**Unsuitable extinguishing media** Do not use water jet.

**Specific hazards arising from the chemical** Extreme heat will pressurize containers and may cause them to burst.

**Hazardous combustion products** Combustion products include carbon dioxide, carbon monoxide, and oxides of nitrogen.

<b>Fire fighting instructions</b>	Remove all persons from the vicinity of the fire. Use standard fire-fighting procedures.
<b>Special protective equipment for fire-fighters</b>	Positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

<b>Section 6. Accidental release measures</b>	
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<b>Personal precautions, protective equipment and emergency procedures</b>	Spills should be addressed by properly trained personnel or emergency responders. Keep all other persons from entering the area of the spill. Do not walk through spilled material.
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**Methods and materials for containment and cleaning up**

**For small spills** Wear eye protection and rubber gloves. Wipe up spill with absorbent material such as paper towels or cloth rags. Wipe area thoroughly with wet paper towels or cloth rags to remove any residual contamination. Dispose of spilled material and contaminated absorbents as required by local regulations.

**For large spills** Wear chemical goggles and chemical-resistant gloves. Wear a chemical-resistant apron or a chemical-resistant suit and boots such as Dupont's Tyvek® Protective Apparel. Stop any leaks if there is no risk to personal injury. Prevent spilled material from entering drains, sewers, waterways, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material such as sand, earth, vermiculite or diatomaceous earth. Place spilled material and contaminated absorbents in a suitable container for disposal according to local regulations. Contaminated absorbent materials pose the same hazards as the spilled product. Use a licensed waste disposal contractor.

<b>Environmental precautions</b>	Avoid discharge of spilled material into drains, sewers, waterways and soil. The relevant authorities must be contacted if the product has leaked into drains, sewers or waterways, or has contaminated the soil.
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<b>Section 7. Handling and storage</b>	
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<b>Precautions for safe handling</b>	Wear chemical goggles and chemical resistant gloves. Avoid contact with eyes, skin and clothing. Do not ingest. Use in well-ventilated area. Avoid breathing vapor or mist. Do not eat, drink or smoke while working with material. Wash thoroughly after handling. Empty containers retain residual product that may be hazardous. Do not expose container to flames, sparks or any other ignition source. Wash contaminated clothing and clean shoes before reuse.
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<b>Conditions for safe storage including any incompatibilities</b>	<b>Do not add nitrites or any other nitrosating agents to this product.</b> Store indoors in the original container in a dry, cool and well-ventilated area that is protected from direct sunlight. Store in an area away from food and drink. Protect from freezing. If frozen, thaw completely at room temperature and stir before using. Keep container tightly closed until ready for use. Use appropriate containment to avoid environmental contamination.
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## Section 8. Exposure controls/personal protection

### Occupational exposure limits

Ingredient Name	US WEEL		ACGIH	
	TWA	STEL	TWA	STEL
Propylene glycol	10 mg/M <sup>3</sup>			
Triethanolamine			5 mg/M <sup>3</sup>	

### Appropriate engineering controls

Comply with all applicable exposure limits. Good general ventilation rates appropriate for the conditions should be used. Personal protective equipment should only be considered after engineering control measures such as increased air exchanges, process enclosures, local exhaust, and mist collectors have been put in place to maintain airborne levels below the occupational exposure limits. Personal protective equipment should be selected based on a thorough risk assessment.

Ensure that eyewash stations and safety showers are within close proximity of the work area

### Individual protection measures

#### Eye/face protection

Wear chemical goggles. Wear safety glasses with side shields when working with normal use dilutions of the product.

#### Skin protection

##### Hands

Wear chemical resistant gloves such as nitrile rubber gloves. For product dilutions, wear protective gloves if prolonged or repeated contact is likely. Gloves should be selected in consultation with the supplier and with a thorough assessment of the working conditions.

##### Body

A chemical resistant work apron is recommended. Cotton and cotton/polyester work apparel provide little protection against fluid soaking through to the skin. Launder work clothes on a regular basis. For large spills, or in areas where splashing is a risk, a chemical-resistant apron or a chemical-resistant suit such as Dupont's Tyvek® Protective Apparel are recommended. Footwear that will not allow fluid to soak through to the feet is recommended.

Ensure that eye wash stations and safety showers are in close proximity to the work area.

#### Respiratory protection

In case of insufficient ventilation, select and wear suitable respiratory protection equipment after full assessment of the working conditions and in consultation with the supplier/manufacturer of respirators.

### Hygiene measures

Do not get in eyes, on skin or on clothing. Do not eat, drink or smoke while using. Wash hands, forearms and face thoroughly after handling and before eating, drinking, smoking or using the bathroom. Wash work clothes on a regular basis. Keep shoes and protective equipment clean and dry.

## Section 9. Physical and chemical properties

<b>Appearance</b>	
<b>Physical state</b>	Viscous liquid
<b>Color</b>	Black
<b>Odor</b>	Mild chemical
<b>Odor threshold</b>	Not available
<b>pH</b>	9.8
<b>Density, kg/M<sup>3</sup></b>	1050
<b>Density, lbs./gal.</b>	8.76
<b>Solubility</b>	Fully miscible
<b>Viscosity, 100 °F, SUS</b>	Not available
<b>Melting point/freezing point</b>	Not available
<b>Initial boiling point, °F</b>	> 212
<b>Flash point, °F</b>	>200
<b>Auto-ignition temperature</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper/lower flammability or explosive limits</b>	Not available
<b>Decomposition temperature</b>	Not available
<b>Vapor pressure</b>	Not available
<b>Vapor density</b>	Not available
<b>Partition coefficient(n-octanol/water)</b>	Not available

## Section 10. Stability and reactivity

<b>Reactivity</b>	Nonreactive under normal conditions of storage, transport and use.
<b>Chemical stability</b>	Stable under normal conditions
<b>Possibility of hazardous reactions</b>	No known hazardous reactions under normal conditions of storage, transport and use. Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	High temperatures
<b>Incompatible materials</b>	Do not add sodium nitrite or any other nitrosating agents to this product or dilutions of this product due to the potential formation of cancer-causing nitrosamines. Avoid contact with strong acids and oxidizers.

## Section 11. Toxicological information

<b>Information on the likely routes of exposure</b>	Anticipated routes of entry: dermal, inhalation
<b>Potential acute health effects</b>	
<b>Eye contact</b>	May cause mild eye irritation
<b>Skin contact</b>	Frequent or prolonged contact may cause temporary skin irritation.
<b>Inhalation</b>	Exposure to decomposition products in the event of a fire may be hazardous to health with serious delayed effects.

**Ingestion** May be irritating to mouth, throat and stomach. Expected to be a very low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact** Symptoms may include irritation, watering, redness and pain.

**Skin contact** Symptoms may include irritation, cracking, defatting, dryness, and redness.

**Inhalation** No specific data.

**Ingestion** No specific data.

**Information on product toxicological effects**

**Acute oral toxicity** Not available

**Acute dermal toxicity** Not available

**Acute inhalation toxicity** Not available

**Information on ingredient toxicological effects** Product does not contain any ingredients within reportable concentrations that exhibit levels of acute toxicity.

**Skin corrosion/irritation** Not corrosive to skin. Frequent or prolonged contact may cause temporary skin irritation.

**Serious eye damage/eye irritation** May cause mild eye irritation.

**Respiratory sensitization** Not classified

**Skin sensitization** Not classified

**Aspiration hazard** Based on chemical and physical properties, not likely to be an aspiration hazard.

**Specific Target Organ Toxicity (Single Exposure)** Not classified

**Specific Target Organ Toxicity (Repeated Exposure)** Not classified

**Carcinogenicity**

<b>Ingredient name</b>	<b>OSHA</b>	<b>IARC</b>	<b>NTP</b>
Triethanolamine	-	3	-

IARC 3 - Not classifiable as a human carcinogen.

**Teratogenicity** No known significant effects or critical hazards.

**Reproductive toxicity** No known significant effects or critical hazards.

**Mutagenicity** No known significant effects or critical hazards.

## Section 12. Ecological information

<b>Ecotoxicity</b>	No testing has been performed. Product does not contain any ingredients within reportable concentrations that exhibit levels of toxicity toward the aquatic environment.
<b>Persistence and degradability</b>	Not available
<b>Bioaccumulative potential</b>	Not available
<b>Mobility in soil</b>	Product is miscible in water.
<b>Other adverse effects</b>	No other adverse environmental effects are known.

## Section 13. Disposal considerations

<b>Waste disposal of product</b>	Dispose of at a licensed, waste disposal facility. Do not discharge into waterways or sewer systems without proper authorization.
<b>Container disposal</b>	Do not reuse containers. Empty containers may still contain product residue and should be disposed of at a licensed waste handling facility.

## Section 14. Transport information

<b>Land transport (US DOT)</b>	Not regulated as a dangerous good
<b>Sea transport (IMDG)</b>	Not regulated as a dangerous good
<b>Air transport (IATA)</b>	Not regulated as a dangerous good

## Section 15. Regulatory information

### U.S. Federal Regulations

**TSCA 8b** All of the ingredients in this product are listed or exempted.

**SARA 302 Extremely Hazardous Substances** None of the ingredients in this product are listed.

**SARA 304 Emergency Release Notification** Not regulated

**SARA 311/312 Classification** Not applicable

**SARA 313** None of the ingredients in this product are listed.

### U.S. State Regulations

#### State Right to Know Regulations

<b>Ingredient Name</b>	<b>CAS Number</b>	<b>State</b>
Propylene glycol	57-55-6	NJ, PA, RI
Triethanolamine	102-71-6	MA, NJ, PA

### CA Prop. 65

Warning: This product contains a chemical(s) known to the state of California to cause cancer, birth defects and/or other reproductive harm.

**NFPA Hazard Codes**

Health: 1      Fire: 1      Reactivity: 0      Special:

**HMIS III Rating**

Health: 1      Flammability: 1      Physical Hazard: 0

**Section 16. Other information****History****Issue date**                      13 Aug 2019**Version number**                1**Disclaimer**

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