

**TEAM**® Industrial Services  
**SAFETY DATA SHEET**

### 1. Identification

**Product identifier** VPAK-4 PRP SEALANT

**Other means of identification**

**Product code** 901-0004

**Recommended use** Industrial Leak Sealant.

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Company name** Team Industrial Services, Inc.  
**Address** 200 Hermann Drive, Alvin, Texas 77511  
**Telephone** Not available.  
**E-mail** Not available.

**Emergency phone number** CHEMTREC - 24 HOURS: 800-424-9300 (USA)  
International: +1 703-527-3887 (Collect)

### 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Carcinogenicity Category 2

**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 2

Hazardous to the aquatic environment, long-term hazard Category 2

**OSHA defined hazards** Not classified.

**Label elements**



**Signal word** Warning

**Hazard statement** Suspected of causing cancer. Toxic to aquatic life with long lasting effects.

**Precautionary statement**

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

**Response** If exposed or concerned: Get medical advice/attention. Collect spillage.

**Storage** Store locked up.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

### 3. Composition/information on ingredients

**Mixtures**

Chemical name	CAS number	%
Polyfluoroethylene	9002-84-0	50-80
Perchloroethylene	127-18-4	25-50
Butene, homopolymer	9003-29-6	10-25

**Composition comments** All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### 4. First-aid measures

**Inhalation** Remove victim to fresh air. Get medical attention if symptoms persist.

**Skin contact** Wash area with soap and water. Get medical attention if irritation develops or persists.

**Eye contact** Flush thoroughly with water. If irritation occurs, get medical assistance.

**Ingestion** Rinse mouth and drink plenty of water. Only induce vomiting at the instruction of medical personnel. Get medical attention if any discomfort occurs.

**Most important symptoms/effects, acute and delayed** Direct contact with eyes may cause temporary irritation.

**Indication of immediate medical attention and special treatment needed** Treat symptomatically.

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

#### 5. Fire-fighting measures

**Suitable extinguishing media** Water spray, foam, dry powder or carbon dioxide.

**Unsuitable extinguishing media** No restrictions known.

**Specific hazards arising from the chemical** During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters** Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions** Use standard firefighting procedures and consider the hazards of other involved materials. Cool material exposed to heat with water spray and remove it if no risk is involved.

**General fire hazards** The product is not flammable.

#### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Avoid prolonged and repeated contact. See Section 8 of the SDS for Personal Protective Equipment.

**Methods and materials for containment and cleaning up** Collect and dispose of spillage as indicated in section 13 of the SDS.

**Environmental precautions** Avoid discharge into drains, water courses or onto the ground.

#### 7. Handling and storage

**Precautions for safe handling** Provide adequate ventilation. Avoid prolonged and repeated contact. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store in closed original container in a dry place.

#### 8. Exposure controls/personal protection

##### Occupational exposure limits

##### US. OSHA Table Z-2 (29 CFR 1910.1000)

Components	Type	Value
Perchloroethylene (CAS 127-18-4)	Ceiling	200 ppm
	TWA	100 ppm

##### US. ACGIH Threshold Limit Values

Components	Type	Value
Perchloroethylene (CAS 127-18-4)	STEL	100 ppm
	TWA	25 ppm

**Biological limit values** No biological exposure limits noted for the ingredient(s).

## ACGIH Biological Exposure Indices

Components	Value	Determinant	Specimen	Sampling Time
Perchloroethylene (CAS 127-18-4)	0.5 mg/l	Tetrachloroethylene	Blood	*
	3 ppm	Tetrachloroethylene	End-exhaled air	*

\* - For sampling details, please see the source document.

### Exposure guidelines

#### US - Minnesota Haz Subs: Skin designation applies

Perchloroethylene (CAS 127-18-4)

Skin designation applies.

#### Appropriate engineering controls

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Risk of contact: Wear approved safety glasses or goggles.

##### Skin protection

###### Hand protection

Wear protective gloves.

###### Other

In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

##### Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

##### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

#### General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

#### Appearance

Gray pliable semi-solid with ether like odor.

##### Physical state

Solid.

##### Form

Pliable semi-solid.

##### Color

Gray.

#### Odor

Ether-like.

#### Odor threshold

Not available.

#### pH

Not available.

#### Melting point/freezing point

Not available.

#### Initial boiling point and boiling range

480 °F (248.89 °C)

#### Flash point

393.0 °F (200.6 °C)

#### Evaporation rate

Not available.

#### Flammability (solid, gas)

Not available.

#### Upper/lower flammability or explosive limits

##### Flammability limit - lower (%)

Not available.

##### Flammability limit - upper (%)

Not available.

##### Explosive limit - lower (%)

Not available.

##### Explosive limit - upper (%)

Not available.

#### Vapor pressure

Not available.

#### Vapor density

Not available.

#### Relative density

0.85

<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Slightly soluble in water.
<b>Partition coefficient (n-octanol/water)</b>	No data available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Will not occur.
<b>Conditions to avoid</b>	None in particular.
<b>Incompatible materials</b>	None known.
<b>Hazardous decomposition products</b>	Halogens.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation</b>	Dust may irritate throat and respiratory system and cause coughing.
<b>Skin contact</b>	Prolonged skin contact may cause irritation.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	May cause discomfort if swallowed.

<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	May cause redness and pain.
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### Information on toxicological effects

<b>Acute toxicity</b>	May cause discomfort if swallowed.
<b>Skin corrosion/irritation</b>	Prolonged exposure may cause skin irritation.
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation.

### Respiratory or skin sensitization

<b>Respiratory sensitization</b>	Not classified.
<b>Skin sensitization</b>	Not a skin sensitizer.

<b>Germ cell mutagenicity</b>	Not classified.
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<b>Carcinogenicity</b>	Suspected of causing cancer.
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#### IARC Monographs. Overall Evaluation of Carcinogenicity

Perchloroethylene (CAS 127-18-4) 2A Probably carcinogenic to humans.

#### NTP Report on Carcinogens

Perchloroethylene (CAS 127-18-4) Reasonably Anticipated to be a Human Carcinogen.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

<b>Reproductive toxicity</b>	Not classified.
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<b>Specific target organ toxicity - single exposure</b>	Not classified.
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<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
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<b>Aspiration hazard</b>	Not available.
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<b>Chronic effects</b>	No additional adverse health effects noted.
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## 12. Ecological information

<b>Ecotoxicity</b>	Toxic to aquatic life with long lasting effects.
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<b>Persistence and degradability</b>	No data available.
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**Bioaccumulative potential** No data available.  
**Partition coefficient n-octanol / water (log Kow)**  
Perchloroethylene (CAS 127-18-4) 3.4  
**Mobility in soil** Expected to be slightly to moderately mobile in soil.  
**Mobility in general** The product is insoluble in water.  
**Other adverse effects** Not available.

### 13. Disposal considerations

**Disposal instructions** Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Recover and reclaim or recycle, if practical.  
**Hazardous waste code** Not regulated.  
**Waste from residues / unused products** Dispose of in accordance with local regulations.  
**Contaminated packaging** Dispose product packaging in accordance with local authority requirements taking into account characteristics of the packaging material.

### 14. Transport information

**DOT**  
Not regulated as dangerous goods.

**IATA**  
Not regulated as dangerous goods.

**IMDG**  
Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not available.

### 15. Regulatory information

**US federal regulations** This product is hazardous according to OSHA 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Perchloroethylene (CAS 127-18-4) LISTED

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - No  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Perchloroethylene	127-18-4	25-50

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Perchloroethylene (CAS 127-18-4)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.

## US state regulations

### US. Massachusetts RTK - Substance List

Perchloroethylene (CAS 127-18-4)

### US. New Jersey Worker and Community Right-to-Know Act

Perchloroethylene (CAS 127-18-4)

### US. Pennsylvania Worker and Community Right-to-Know Law

Perchloroethylene (CAS 127-18-4)

### US. Rhode Island RTK

Perchloroethylene (CAS 127-18-4)

### US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

### US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Perchloroethylene (CAS 127-18-4)

## International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

Issue date	24-March-2015
Revision date	-
Version #	01
Further information	HMIS® is a registered trade and service mark of the NPCA.
HMIS® ratings	Health: 1* Flammability: 2 Physical hazard: 0

### NFPA ratings



### List of abbreviations

References	ACGIH EPA: AQUIRE database NLM: Hazardous Substances Data Base US. IARC Monographs on Occupational Exposures to Chemical Agents HSDB® - Hazardous Substances Data Bank IARC Monographs. Overall Evaluation of Carcinogenicity National Toxicology Program (NTP) Report on Carcinogens ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices
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**Disclaimer** The information in the sheet was written based on the best knowledge and experience currently available.