

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION			
Product Name	TXP-10	Code	3902
Supplier	Trican Well Service LP 5825 N. Sam Houston Parkway, Suite 600 Houston, Texas, 77086 For Product Information/MSDS Call: (281) 716-9152 (8:00 AM – 5:00 PM CST, Monday – Friday)	Revision Date	
Product Uses	Hydraulic fracturing scale inhibitor	Supersedes Date	
24 Hour Emergency Number	For Chemical Emergency Spill, Leak, Fire, Exposure or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)	Original Creation	June 21, 2011

SECTION 2. HAZARDS IDENTIFICATION	
Hazard Summary	<p>WARNING! Causes eye irritation and damage. Causes skin irritation. Inhalation of vapour or mists may cause respiratory tract irritation.</p> <p>Avoid breathing vapors or mists. Do not ingest. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Avoid prolonged or repeated contact with skin. Wear suitable protective clothing, gloves and eye/face protection. Provide eyewash in work area.</p>
OSHA Regulatory Status	This product is considered hazardous under OSHA Hazard Communication Standard 29CFR 1910.1200.
Routes of Exposure	Eyes, skin, and inhalation.
Potential Acute Health Effects	
Eyes Contact	Causes eye irritation and damage.
Skin Contact/Absorption	Causes skin irritation.
Inhalation	Causes respiratory tract irritation.
Ingestion	Not available
Medical Conditions Aggravated by Exposure	Not available
<i>See also Toxicological Information (Section 11)</i>	
Additional Remarks	None

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS		
Name	CAS #	% (wt)
acrylate phosphonate copolymer*	proprietary	25-40
neutralized organic acid*	proprietary	10-20
propylene glycol	57-55-6	5-10
water	7732-18-5	50-70
* Composition/specific chemical identities are withheld as a trade secret under the provisions of OSHA hazard communication standard 29 CFR 1910.1200.		

SECTION 4. FIRST AID MEASURES	
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. If irritation persists, seek medical attention.
Skin Contact	Wash thoroughly with soap and water. If irritation persists, seek medical attention.
Inhalation	Remove person to fresh air. If not breathing, provide artificial respiration. If breathing is difficult or symptoms develop, seek prompt medical attention.
Ingestion	First aid should not be required. If discomfort or symptoms persist, seek medical advice.
Notes to Physician	None known

Additional Remarks	None
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SECTION 5. FIRE FIGHTING MEASURES

Conditions of Flammability	Not considered a fire hazard.
Extinguishing Media	Use media appropriate to the surrounding fire.
Protection of Firefighters	As in any fire, wear full fire fighting gear including NIOSH-approved positive pressure self-contained breathing apparatus.
Hazardous Combustion Products	Not available
Additional Remarks	None

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Isolate hazard area and restrict access. Try to work upwind of spill. Do not touch or walk through spilled material. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8). Shut off leak if it can be done safely.
Environmental Precautions	Prevent additional discharge of material, if possible to do so without hazard. If possible, try to contain and recover floating material.
Clean Up Methods	Move containers from spill area. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Contaminated absorbent material may pose the same hazard as the spilled product.
Additional Remarks	Waste must be disposed of in accordance with federal, state and local environmental control regulations.

SECTION 7. HANDLING AND STORAGE

Worker Contact	Wear appropriate personal protective equipment. Avoid contact with eyes, skin, and clothing. Avoid breathing vapors or mists. Use only with adequate ventilation. Maintain good personal hygiene. Do not smoke, eat or drink when handling this product. Wash thoroughly after handling product and before eating, drinking or smoking.
Storage Requirements	Store in a cool, dry, well-ventilated area, away from incompatible materials. Keep container tightly closed when not in use. Corrosive to mild steel, carbon steel and aluminum. Shelf-life: greater than 24 months if kept at temperatures above -10 C.
Additional Remarks	None

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Guidelines / Limits	Not established.
Please consult with local authorities for acceptable local exposure limits since values can vary from jurisdiction to jurisdiction.	
Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations below their respective allowable limits. Ensure that eyewash stations and safety showers are near the work location.
Personal Protection	
Personal Protective Equipment recommendations are based on anticipated known manufacturing and use conditions. These conditions are expected to result in only incidental exposure. A thorough review of the job tasks and conditions by a safety professional is recommended, however, to determine the level of person protective equipment appropriate for these job tasks and conditions.	
Respirator	Not required under expected conditions of use. A respirator should be worn if there is potential for inhalation of vapor or mist in high concentrations. A NIOSH-approved air-purifying mask equipped with organic vapor cartridges with N95 prefilters is recommended. In poorly ventilated areas or emergency situations use a NIOSH-approved atmosphere-supplying respirator.
Hands	Nitrile or neoprene gloves.
Eyes	Chemical safety goggles. Also use a face shield if product may be splashed during handling.
Body	Wear long sleeves and pants to prevent prolonged or repeated skin contact. Remove contaminated clothing and launder before reuse.
Feet	Steed toed, chemical resistant boots.
Other	Emergency eyewash fountains and safety showers should be in the immediate vicinity of any potential exposure.
Protective Clothing (Pictograms)	



Additional Remarks None

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance and odor	Clear light yellow with a characteristic odour.
Odor Threshold	Not available
Specific Gravity	1.16
Flashpoint	Not available
Lower Flammable Limit	Not available
Upper Flammable Limit	Not available
Autoignition Temperature	Not available
Vapor Density (air=1)	Not available
Vapor Pressure	Not available
Evaporation Rate	Not available
Boiling Point	Not available
Pour Point	-21 °C (-5.8 F)
pH	6.0 to 6.5
Viscosity	Not available
Solubility in Water	soluble
Coefficient of Water/Oil	Not available
Additional Remarks	bulk density 9.68 lbs per gallon

SECTION 10. STABILITY AND REACTIVITY DATA

Chemical Stability	Stable under normal conditions of use and storage.
Conditions of Instability	Not expected
Incompatible Material	Strong acids.
Conditions of Reactivity	None specified
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, nitrogen oxides, phosphorus oxides and phosphines
Hazardous Polymerization	Will not occur
Additional Remarks	None

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Not available for product.
Effects of Acute Exposure	<i>See Hazards Identification (Section 2)</i>
Effects of Chronic Exposure	Not expected
Irritancy of Product	<i>See Hazards Identification (Section 2)</i>
Skin Sensitization	Not available
Respiratory Sensitization	Not available
Carcinogenicity	Not expected
Reproductive Toxicity	Not available
Teratogenicity	Not available
Embryotoxicity	Not available
Mutagenicity	Not available
Synergistic Products/Effects	Not available
Additional Remarks	None

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	Not available for product.
Degradability	Not available
Bioaccumulation	Not available
Mobility	Not available
Additional Remarks	Do not allow product or run-off from fire control to enter storm or sanitary sewers, lakes, rivers, streams or public waterways. Block off drains and ditches. May be harmful to aquatic life.

SECTION 13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Dispose of container and unused contents in accordance with federal, state and local requirements.

Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

Additional Remarks None

SECTION 14. TRANSPORT INFORMATION**DOT Classification**

Not regulated

Marine Pollutant Not available

Additional Transport Information None

Emergency Response Guide Not applicable

SECTION 15. REGULATORY INFORMATION

Occupational Safety & Health Administration This product is considered hazardous as defined by OSHA Hazard Communication Standard 29CFR 1910.1200.

Environmental Protection Agency **Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 302 Extremely Hazardous Substance:**

No

Sections 311 and 312:

Acute: Yes

Chronic : No

Fire: No

Pressure: No

Reactivity: No

TSCA Inventory Status All components are included or are exempted from listing on the US Toxic Substances Control Act Inventory (TSCA 8b).

SECTION 16. OTHER INFORMATION

NFPA Rating Health: 2 Flammability: 0 Instability: 0 Special: none

HMS Rating Health: 2 Flammability: 0 Reactivity: 0 Other: none
0=Insignificant 1 = Slight 2= Moderate 3= High 4 = Extreme; * chronic

Revisions New issue.

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Trican Well Service LP Disclaimer

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END OF MATERIAL SAFETY DATA SHEET