



MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION			
Product Name	AI-7NR	Code	3001
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	May 05, 2011
Product Uses	Acid corrosion inhibitor	Supersedes Date	February 22, 2011
24 Hour Emergency Numbers	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	February 22, 2011

SECTION 2. HAZARDS IDENTIFICATION	
Hazard Summary	Material presents little hazard under expected conditions of use. Avoid excessive heat, open flames, sparks and ignition sources. At high temperatures liquid can release vapors that form flammable mixtures in air. Inhalation of high concentrations of vapour may cause respiratory irritation and drowsiness.
OSHA Regulatory Status	This product is not considered hazardous under OSHA Hazard Communication Standard 29CFR 1910.1200.
Routes of Exposure	Eyes, skin, inhalation and ingestion.
Potential Acute Health Effects	
Eyes Contact	Not irritating to eyes.
Skin Contact/Absorption	Not irritating to skin.
Inhalation	Mist may be seriously irritating to nose and throat. Inhalation of high vapour concentrations may cause drowsiness.
Ingestion	Low ingestion hazard in normal use.
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)
Prop-2-yn-1-ol	107-19-7	<1%

SECTION 4. FIRST AID MEASURES	
Eye Contact	Flush eyes with plenty of water for at least 15 minutes while holding eyelids open. If irritation develops, seek medical attention.
Skin Contact	Wipe excess material from skin. Remove contaminated clothing immediately and launder before reuse. Discard contaminated footwear. Rinse contaminated skin thoroughly with plenty of water. If irritation develops, seek medical attention.
Inhalation	Remove person to fresh air. If breathing has stopped, trained personnel should begin artificial respiration (AR) immediately. If heart has stopped, trained personnel should begin cardiopulmonary resuscitation (CPR) immediately. Seek prompt medical attention.
Ingestion	Not considered a potential route of exposure. If large quantities have been ingested, do NOT induce vomiting. Seek medical attention.
Notes to Physician	Treat symptomatically.
Additional Remarks	None

SECTION 5. FIRE FIGHTING MEASURES

Conditions of Flammability	Not considered a fire hazard. However, when heated to extreme temperatures, product may release flammable vapours. When mixed with air and exposed to ignition source, vapours can burn in open or explode if confined.
Extinguishing Media	Use dry chemical, carbon dioxide, foam or water spray. Water spray may be used to cool containers exposed to fire conditions.
Protection of Firefighters	As in any fire, wear full fire fighting gear including NIOSH-approved positive pressure self-contained breathing apparatus.
Hazardous Combustion Products	Carbon monoxide and carbon dioxide.
Sensitivity to Static Discharge	This product may be sensitive to static discharge. Bond and ground all containers before transferring material.
Additional Remarks	None

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Eliminate all ignition sources. 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 only if it can be done safely.
Environmental Precautions	Prevent substance from entering natural bodies of water and sewer systems. Spilled product may pose a risk to the aquatic ecosystem if released.
Clean Up Methods	Move containers from spill area. Absorb small spills with an inert material. For large spills, contain with dikes and collect spillage by pumping off or absorb with a non-combustible material (e.g. sand, earth, vermiculite or diatomaceous earth). Place residues in a suitable, covered, properly labeled container for disposal according to local regulations. Contaminated absorbent material and soil may pose the same hazard as the spilled product.
Additional Remarks	Waste must be disposed of in accordance with federal, provincial and local environmental control regulations.

SECTION 7. HANDLING AND STORAGE

Fire Prevention	Keep away from heat, open flames, sparks and other sources of ignition. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers may contain flammable product residue. Do not reuse container. Do NOT cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks, static electricity or other sources of ignition.
Worker Contact	Wear appropriate personal protective equipment. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated skin contact. Avoid breathing vapours 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.
Additional Remarks	None

SECTION 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Guidelines / Limits	Not established for product.
Exposure Guideline / Limits for Components	
Prop-2-yn-1-ol	ACGIH TLV: TWA 1 ppm; may be absorbed through skin.
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 occupational exposure limits.
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	Under normal conditions of use and with adequate ventilation, respiratory protection is not expected to be necessary. In poorly ventilated areas or emergency situations use a NIOSH-approved respirator selected for expected

	hazards and exposure levels.
Hands	Butyl rubber, PVC or neoprene gloves.
Eyes	Chemical safety goggles and/or face shield if splashing may occur during handling.
Body	Wear long sleeves and pants of an impervious material to prevent prolonged or repeated skin contact. Remove contaminated clothing and launder before reuse.
Feet	Steed toed, chemical resistant boots.
Other	Eyewash stations and safety showers are near the work location.

Protective Clothing (Pictograms)



Additional Remarks None

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance and Odour	Yellow to brown with a characteristic odour.
Odour Threshold	Not available
Specific Gravity	1.0
Flashpoint	> 93 °C (> 200 F)
Lower Flammable Limit	Not available
Upper Flammable Limit	Not available
Autoignition Temperature	Not available
Vapour Density (air=1)	Not available
Vapour Pressure	Not available
Evaporation Rate	Not available
Boiling Point	100 °C (212 F)
Freezing / Melting Point	Not available
Pour Point	Not available
pH	5-8
Viscosity	Not available
Solubility in Water	Soluble
Coefficient of Water/Oil	Not available
Additional Remarks	Bulk density 8.33 lbs/gal

SECTION 10. STABILITY AND REACTIVITY DATA

Chemical Stability	Stable under ordinary conditions of use and storage.
Hazardous Polymerization	Will not occur
Sensitivity to Mechanical Impact	No
Incompatible Material	Strong oxidizing agents. Alkalis and acid. Heavy metal salts.
Conditions of Reactivity	Contact with incompatible material.
Hazardous Decomposition Products	None if handled and stored as indicated.
Additional Remarks	None

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Acute LD50 (oral, rat): >500-2000 mg/kg
Effects of Acute Exposure	See <i>Hazards Identification (Section 2)</i>
Effects of Chronic Exposure	Not available
Irritancy of Product	Rabbit (OECD 404) non-irritant. See <i>Hazards Identification (Section 2)</i>
Skin Sensitization	Not available
Respiratory Sensitization	Not available
Carcinogenicity	No components listed as carcinogenic by ACGIH, IARC, OSHA or NTP.
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

Aquatic Toxicity	Fish: 96 hr LC50 (Leuciscus idus):>100 mg/L Microorganisms: EC10 (DIN 38412 Part 8, activated sludge 17 hrs): >1000 mg/L
Degradability	OECD 302B; ISO 9888; 88/302/EEC, C Method of analysis: DOC reduction Degree of elimination: 90-100% Result of Evaluation: Easily eliminated from water.
Bioaccumulation	Not available
Mobility	Not available
Additional Remarks	None

SECTION 13. DISPOSAL CONSIDERATIONS

<p>Processing, use, dilution or contamination of this product may cause its physical and chemical properties to change. It is the responsibility of the end-user to determine if material meets the criteria of hazardous waste at the time of disposal. Dispose in accordance with federal, provincial and local regulations.</p> <p>Dispose of all packaging in accordance with local regulations. Empty containers may contain residue and should be completely drained and safely stored until appropriately reconditioned or disposed. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.</p>	
Additional Remarks	None

SECTION 14. TRANSPORT INFORMATION

DOT Classification	Not regulated	
Marine Pollutant	No	
Additional Transport Information	Not available	
Emergency Response Guide	Not applicable	

SECTION 15. REGULATORY INFORMATION

Occupational Safety & Health Administration	This product is not 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) Sections 311 and 312: Acute: No Chronic : No Fire: No Pressure: No Reactivity: No
	Section 313 Reportable Ingredients: none
	Section 302 Extremely Hazardous Substance: No
TSCA Inventory Status	All components are included or are exempted from listing on the US Toxic Substances Control Act Inventory (TSCA 8b).
Additional Remarks	None

SECTION 16. OTHER INFORMATION

NFPA Rating	Health: 1 Flammability: 1 Instability: 0 Special: none
HMS Rating	Health: 1 Flammability: 1 Reactivity: 0 Other: none <i>0=Insignificant 1 = Slight 2= Moderate 3= High 4 = Extreme * = chronic</i>
Revisions	May 05, 2011: Changes to Section 1
Prepared by	Trican Well Service Corporate Health, Safety & Environment Department (403) 723-3688
Trican Well Service Ltd. Disclaimer	

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END OF MATERIAL SAFETY DATA SHEET