

Protective Equipment	TDG	WHMIS
 See SECTION VIII for details	Shipping Name: NOT DANGEROUS GOODS TDG Classification: Not Applicable UN Number (PIN): Not Applicable Packing Group: Not Applicable Emergency Response Guide Number: Not Registered Emergency Phone: (CHEMTREC 1-800-424-9300) See SECTION XIV for details	 D-2 (B) See SECTION XV for details
	DOT	NFPA
	Shipping Name: NOT A HAZARDOUS MATERIAL HAZMAT Classification: Not Applicable UN Number (PIN): Not Applicable Packing Group: Not Applicable Emergency Phone: (CHEMTREC 1-800-424-9300)	

SECTION I: Chemical Product and Company Identification

Common/Trade Name	DWP-690-1
Synonyms	Not Available
Chemical Name	Not Available
Chemical Formula	Not Available
Chemical Family	Hydrogen peroxide solution
Supplier	Calfrac Well Services Ltd. 411-8 th Avenue SW Calgary, Alberta T2P 1E3
Document Number	MSDS-DWP-690-1 Rev 0
Date of Preparation	May 20, 2008
Prepared By	Calfrac Well Services Ltd
Phone number of Preparer	(403) 266 6000
Material Uses	Oilfield Additive

SECTION II: Hazards Identification

Routes of Entry	<input checked="" type="checkbox"/> SKIN <input checked="" type="checkbox"/> EYE CONTACT <input type="checkbox"/> INHALATION <input checked="" type="checkbox"/> INGESTION
Threshold Limit Value	Not determined
Skin Contact	Irritant. May cause irritation, redness, swelling, or dermatitis on prolonged contact
Eye Contact	Irritant. Can cause redness, tissue destruction and irritation.
Ingestion	May cause irritation of the digestive tract.
Inhalation	May cause respiratory tract irritation

SECTION III: Hazardous Ingredients

Name	Percent (%)	CAS#	LD ₅₀ (oral rat)	LC ₅₀ (dermal rabbit)	LC ₅₀ (inhalation rat)

Hydrogen peroxide	5-7	7722-84-1	Not determined	Not determined	Not determined
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SECTION IV: First Aid Measures

Skin Contact	Wash exposed area with soap and water. If irritation or abnormalities persist, call a physician.
Eye Contact	Immediately flush eyes with water for 15 minutes and call a physician.
Ingestion	Do not induce vomiting. If conscious, dilute by giving two glasses of water. Call a physician immediately.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician

SECTION V: Fire Fighting Measures

Flash Point (method)	Not determined
Flammable Limits	Not determined
Extinguishing Media	Water Spray, foam, dry chemical, and carbon dioxide. Water jet not recommended.
Special Fire Fighting Procedures	NIOSH approved self-contained respirators required for fire fighting personnel.
Unusual Fire and Explosion Hazards	Water causes slippery surfaces.

SECTION VI: Accidental Release Measures

Steps to be taken in case the Material is Spilled or Released	(Use appropriate safety equipment.) For small spills, soak up with absorbent material. For large spills, dike to contain spill to prevent water pollution. Recover diked material; return recovered material to plant.
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SECTION VII: Handling and Storage

Precautions to be taken in Handling and Storing	Avoid ingestion. Practice reasonable caution and personal cleanliness. Avoid skin and eye contact. Store in a cool well ventilated area. Decomposes slowly to release oxygen, store in vented containers to avoid pressure buildup.
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SECTION VIII: Exposure Control/Personal Protection

Special Protection Information	
Respiratory Protection	Use NIOSH approved organic vapour respirators when ventilation is inadequate.
Ventilation	General mechanical
Protective Gloves	Chemically resistant
Eye Protection	Safety glasses
Other Protective Equipment (Specify)	None known

SECTION IX: Physical and Chemical Properties

Appearance	Clear red liquid
Odor	None
Specific Gravity	1.03
Boiling Point (°C)	214 F
Melting Point (°C)	Not Determined
Solubility in Water	Not Determined
Percent Volatile by Volume	Not Determined
Evaporation Rate	Not Determined
Vapor Pressure (mm Hg)	Not Determined

Vapor Density (Air = 1)	Not Determined
pH	6.6

SECTION X: Stability and Reactivity

Stability	<input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE
Incompatibility (Conditions to Avoid)	Oxidizing agents
Conditions of Reactivity	Not known
Hazardous Decomposition Products	CO _x , NO _x
Hazardous Polymerization	<input checked="" type="checkbox"/> WILL NOT OCCUR <input type="checkbox"/> MAY OCCUR

SECTION XI: Toxicological Information

Sensitization to Product	Not Determined
Carcinogenicity	Not Determined
Irritancy to Product	Not Determined
Reproductive Toxicity	Not Determined
Teratogenicity	Not Determined
Mutagenicity	Not Determined
Chronic Exposure	Not Determined
Name of Toxicological Synergistic Products	Not Determined

SECTION XII: Ecological Information

Ecological Information	Not Determined
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SECTION XIII: Disposal Considerations

Waste Disposal Method	Absorb spilled material with absorbent compound, incinerate/dispose to conform to local disposal regulations.
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SECTION XIV: Transportation Information

Proper Shipping Name	NOT DANGEROUS GOODS
Class	Not Applicable
TDG Label	No
UN Number (PIN)	Not Applicable
TDG Placard	No
Packing Group	Not Applicable
Emergency Response Guide Number	Not Registered
Emergency Telephone	(CHEMTREC 1-800-424-9300)

SECTION XV: Regulatory Information

WHMIS Classification	Class D	Division 2	Subdivision B
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR			

SECTION XVI: Other

Other Information	Not Available at this time
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The information contained herein is offered only as a guide to the handling of this specific product and has been prepared in good faith by technically knowledgeable personnel. It is not intended to be all-inclusive and the manner and conditions of use and handling may involve other and additional considerations. No warranty of any kind is given or implied. Calfrac Well Services Ltd.

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