

Product Name: Tech Mul

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Supplier: HiTech Fluid Systems Ltd.
1800, 505 – 3 Street SW
Calgary, Alberta
Canada T2P 3E6

Emergency Contact #: (403) 547-2906

WHMIS classifications: D2B – Toxic Material

Product use: Emulsifier

PIN: Not Regulated

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient: This Product is Not Known to Contain any Hazardous Components.

CAS #:

%Wt. or range:

ACGIH (TLV-TWA):

OSHA (PEL-TWA):

LD₅₀ (rat, oral):

LD (rabbit, dermal):

LC₅₀ (rat, inhalation):

3. HAZARDS IDENTIFICATION

Inhalation: If heated, vapors or mist may cause respiratory tract irritation

Skin contact: Not expected to cause more than slight skin irritation

Eye contact: Not expected to cause more than slight eye irritation

Ingestion: May produce a laxative effect.

Acute exposure: As above.

Chronic exposure: Prolonged contact may cause skin irritation

4 FIRST AID MEASURES

Inhalation: Remove source of contamination or move victim to fresh air. If breathing is difficult, a trained individual may administer oxygen. If breathing has stopped, administer artificial respiration. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation (CPR) immediately. Obtain medical attention immediately.

Skin contact: Begin flushing contaminated area with water while removing contaminated clothing and footwear. Wash contaminated skin with soap and water for 15 minutes or until the product is removed. Do not reuse contaminated clothing until cleaned. Contaminated leather goods (footwear, watch straps, etc.) may have to be discarded. Obtain medical attention immediately.

If breathing has stopped, administer artificial respiration. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation (CPR) immediately. Obtain medical attention immediately..

Eye contact: While holding eyelid open, flush contaminated eye with lukewarm running water for 15 minutes. Avoid contaminating unaffected eye. Obtain medical attention immediately

Ingestion: Never give anything by mouth if victim is rapidly losing consciousness or is unconscious. Rinse mouth with water. DO NOT INDUCE VOMITING. If vomiting occurs naturally, have victim lean forward to reduce aspiration hazard, then repeat administration of water. Immediately transport victim to emergency medical facility for medical attention.

If breathing has stopped, administer artificial respiration. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation (CPR) immediately. Obtain medical attention immediately..

Notes to physician: Contact regional/local Poison Centre.

5. FIRE-FIGHTING MEASURES

Flash point	> 100°C (212°F) [PMCC]	Auto-ignition temperature:	NA
LEL (% by volume):	NA	UEL (% by volume):	NA
Conditions of flammability:	Combustible liquid. Vapour may explode if ignited in enclosed area. Keep away from heat, flame, sparks and other sources of ignition.		
Hazardous combustion products:	Carbon monoxide, carbon dioxide, smoke and other harmful products.		
Explosion data:	N/A		
Extinguishing media:	Agents approved for Class B hazards (e.g. dry chemical, carbon dioxide, foam, steam) or water fog.		
Fire fighting procedures:	Firefighters should wear full bunker gear, including a positive pressure self-contained breathing apparatus.		

6. ACCIDENTAL RELEASE MEASURES

Eliminate all ignition sources. Isolate hazard area and restrict access. Try to work upwind of spill. Avoid direct contact with material. Wear NIOSH approved self-contained breathing apparatus (if applicable) and protective clothing. Handling equipment must be grounded.

Prevent spill material from entering sewers, watercourses or low-lying areas.

Stop leak only if safe to do so. Dike and contain land spills with inert material (earth, clay or sand); contain water spills by booming. Use water fog to knock down vapours, contain runoff. For large spills, remove by mechanical means and place in containers. Absorb residue or small spills with inert absorbent material and remove to non-leaking containers for disposal. Flush area with water to remove trace residue.

Dispose of recovered materials as in Section 13. Notify fire and environmental agencies.

Federal and state/provincial regulations may require that environmental and / or other agencies be notified of a spill incident. Spill area must be cleaned and restored to original condition or to the satisfaction of authorities.

7. HANDLING AND STORAGE

Maintain good personal hygiene. Wear appropriate personal protective equipment and avoid contact with skin, eyes or clothing. No smoking, eating or drinking allowed when using this product. Wash thoroughly after handling product. Avoid breathing vapours and prolonged or repeated contact with skin or eyes. Use adequate ventilation. Locate safety shower and eyewash station in use area.

Do not handle or store near an open flame, sources of heat, or sources of ignition. Material will accumulate static charges, which may cause a spark. Static charge build up could become an ignition source. Use proper grounding procedure.

Empty containers may contain product residue. Follow labeled warnings even after container is emptied. Do not cut, drill, grind or weld on or near container.

Air dry and then launder contaminated clothing prior to reuse. Store product-contaminated rags in container with tight-fitting lid.

Store in a cool, well-ventilated area, away from incompatibles. Keep container tightly closed when not in use. Store in totally enclosed equipment, designed to avoid ignition and human contact. Store in an isolated fireproof building that is cool and well ventilated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation system: Mechanical ventilation is required for all indoor situations to control fugitive emissions. Electrical and mechanical equipment should be explosion-proof. Concentrations in air should be maintained below the recommended threshold limit value if unprotected personnel are involved. For entry into confined spaces (i.e. bulk storage tanks) a proper confined space entry procedure must be followed, including ventilation and testing of tank atmosphere. Local ventilation recommended where mechanical ventilation is ineffective in controlling airborne concentrations below the recommended occupational exposure limit. Make up air should always be supplied to balance air exhausted (either generally or locally).

Respiratory protection: Atmospheric levels should be maintained below the exposure guideline. A NIOSH /MSHA approved organic vapour respirator is advised in the absence of proper environmental controls. Full facepiece equipment is recommended and would replace the need for full-face shield and/or goggles.

Eye / skin protection: Wear splash proof chemical safety goggles. Face shield recommended. Wear rubber or neoprene safety boots, impervious clothing, rubber apron, and impervious gloves.

Other: Eye bath and safety shower should be in area of chemical use.

9. PHYSICAL & CHEMICAL PROPERTIES

Physical state:	Liquid	Boiling point:	NA	Evaporation rate:	NA
Appearance:	Brown	Freezing/Melting point:	- 25°C (-13°F)	Vapour pressure:	NA
Odor:	Hydrocarbon	Solubility in H2O:	Insoluble	Viscosity (kinematic):	NA
pH:	NA	Specific Gravity:	NA	Vapour density (air=1):	NA
Density at 15°C (59°F):	0.9152 kg/L /(7.6 lb/gal)	% Volatile:	NA		

10. STABILITY AND REACTIVITY

Chemical stability:	Stable
Conditions to avoid:	Keep away from ignition sources (heat, sparks, open flame).
Incompatible substances:	Chlorine, peroxides, strong acids and strong oxidizers.
Hazardous decomposition products:	Oxides of carbon, oxides of sulfur, smoke.
Hazardous polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

Routes of entry:	Inhalation, skin absorption, ingestion.		
Effects of acute exposure:	See Section 3	NTP:	ND
Effects of chronic exposure:	See Section 3	IARC Monographs:	ND
Reproductive toxicity:	See Section 3	OSHA Regulated:	ND
Mutagenicity:	See Section 3	Teratogenicity:	See Section 3
Carcinogenicity:	See Section 3	Irritancy:	See Section 3

12. ECOLOGICAL INFORMATION

Do not allow product or runoff from fire control to enter storm or sanitary sewers, lakes, rivers, streams, or public waterways. Block off drains and ditches. State/provincial regulations require and federal regulations may require that environmental and/or other agencies be notified of a spill incident. Spill area must be cleaned and restored to original condition or to the satisfaction of authorities. May be harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

Alcohol wastes are not suitable for underground injection. Waste management priorities (depending on volumes and concentration of waste) are 1. Recycle (reprocess) 2. Energy recovery (cement kilns, thermal power generation), 3. Incineration, 4. Disposal at a licensed waste disposal facility. Do not attempt to combust waste on-site; incinerate at a licensed waste disposal site with approval of environmental authority.

Dispose of in accordance with municipal, state/provincial and federal regulations. These regulations may apply to empty containers, liner and rinsate.

14. TRANSPORT INFORMATION (TDG/DOT)

Shipping Name:	Not regulated by Canadian TDG Regulations				
Primary Class:	N/A	Subsidiary Class:	N/A	PIN (UN / NA):	N/A
				Packing group:	N/A

15. REGULATORY INFORMATION

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.

DSL/NDSL status: Components of this product are listed on the Domestic Substances List, as required under the Canadian Environmental Protection Act.

16. OTHER INFORMATION

Prepared by: HiTech Fluid Systems Ltd.

Telephone: (403) 547-2906

Date: September 24, 2009

Revision: 0

The information contained herein is provided free of charge and is offered to the user in good faith as accurate. Certain of the information have been obtained from sources outside of the supplier and while HiTech Fluid Systems Ltd. believes such information to be correct, it cannot guarantee the accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.