Material Safety Data Sheet
Tech Hib S-257

Date: October 30, 2009
Product Name: Tech Hib S-257
Chemical Family: Scale Inhibitor

Section I

Vendor: L Chem-Tech Co
HC 75 Box 495
Eliasville, TX 76481
940-362-4519
Emergency No. 800-424-9300 (Chemtrec)

HMIS Rating
Health 2
Fire 2
Reactivity 0
Personal Protection:

Section II Hazardous Ingredients

CAS No.	Hazardous components	NTP	IARC	SUBPART/2	SARA 313	OSHA	PEL	ACGTH TLV	Percent
67-56-1	Methanol	?	?	?	Y	250 ppm		250 ppm	Prop.

Section III Physical Characteristics

Boiling Point	ND	Specific Gravity	0.785
Vapor Pressure	ND	Melting Point	ND
Solubility in H2O	Soluble	Evaporation Rate	ND
Appearance	Clear	Odor	Bland

Danger
Physical Hazards-Flammable Liquid UN 1993 N. American Emergency Response No. 128

DOT Proper Shipping Name: Flammable Liquid, N.O.S. (Methanol)

DOT Hazard Class 3

DOT Packing Group III

DOT CERCLA RQ N/App

This product does not contain any chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund amendments and Reauthorization Act of 1986

Section IV Fire and Explosion Hazard Data
Flash Point 105 F Flammable Limits LEL ND% LEL: ND%

Extinguishing Media: Dry Chemical, CO2, Water Spray, and Water Fog

Special Fire Fighting Instructions
Do not enter fire area without proper protection – see section V decomposition products possible

Fight Fire from safe distance

Heat may build pressure and rupture closed containers, spreading fire, increasing risk of burns and injuries

May become combustible upon loss of aqueous carrier

Use water spray/fog for cooling

Notify authorities if liquid goes in sewer or public waters

Unusual Fire Fighting Instructions
While not normally combustible, if water content is lost material may release flammable vapors if exposed to high temperature, when mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Vapors may be heavier than air and travel long distances along ground before igniting or flashing back to vapor source.

Section V Reactivity

Stability: stable under normal conditions

Incompatibility:
Strong oxidizers i.e. hydrogen peroxide, bromine, chromic acid
Strong acids
Strong alkalis

Hazardous decomposition or Byproducts
Incomplete combustion may release poisonous carbon monoxide and oxides and /or compounds of nitrogen.

Hazardous polymerization
Not expected to occur

Section VI Health and Hazard Data
Routes of entry
Inhalation
although no appropriate human or animal health effects are known to exist. This material is expected to be an inhalation hazard.

Eye contact- Primary Route
although no appropriate human or animal health effects are known to exist. This material is expected to cause eye irritation.

Skin Absorption
No appropriate human or animal health effects data are known to exist.

Skin Irritation
although no appropriate human or animal health effects are known to exist. This material is expected to be a skin irritant.

Ingestion
although no appropriate human or animal health effects are known to exist. This material is expected to be an ingestion hazard.
Health Hazards Acute and Chronic
Acute Health Effects (short term)
Irritant to eyes
Irritant to skin
Severe ingestion hazard
Moderate inhalation hazard
No Data on skin absorption

May develop dizziness, nausea, narcosis, headache, coma.

Signs and Symptoms of Exposure
Skin contact
Irritation or redness of the skin may develop after exposure.
Eye contact
Severe eye irritation may develop on exposure.
Ingestion
Severe irritation and burning of the linings of the mouth, throat, and stomach may occur
Inhalation
Coughing and shortness of breath may result. More severe symptoms are also possible. May cause headache, nausea, dizziness, narcosis, coma.

Medical conditions generally aggravated by exposure
This material or its emissions may affect the central nervous system and/or aggravate pre-existing disorders. Prolonged observation may be indicated.

Emergency and First Aid Procedures
Inhalation
If overcome by exposure, remove victim to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential.

Eye Contact
In case of eye contact, immediately rinse with clean water for 20 to 30 min. retract eyelids often. Obtain emergency medical attention.

Skin Contact
Immediately remove contaminated clothing. Wash skin thoroughly with mild soap and water. Flush with lukewarm water for 15 minutes If sticky, use waterless cleaner first. Obtain emergency medical treatment.

Ingestion
If large quantity swallowed, give lukewarm water (pint) if victim is completely conscious and alert. Induce vomiting by inserting finger in throat. Obtain emergency medical attention.

Emergency Medical Treatment Procedures
Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Continue to rinse eyes with clean water for 20 to 30 minutes, retracting eyelids often. Contact ophthalmologist immediately. Treat burns or allergic reactions conventionally after decontamination. Induce vomiting. Administer aqueous slurry of activated charcoal followed by a cathartic such as magnesium citrate or sorbitol.

Other Health Warnings
The toxicological and carcinogenic properties of this material have not been fully investigated. Handle carefully avoiding contact.

Section VII Precautions for Safe Handling and Use
Steps to be taken in case material is released or spilled.
Equip responders with proper protection (see section VIII.) Small spills absorb liquid on paper, vermiculite, fiber absorbent or other absorbent material, and transfer to hood.

Large Spill – Eliminate all ignition sources (flames, electric sparks) Persons not wearing protective equipment should be excluded from area of spill until cleanup has been completed. Stop spill at source, dike area of spill to prevent spreading, pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

Prevent run-off into sewers, streams or other bodies of water. If run-off occurs notify proper authorities that a spill has occurred.

Waste disposal method
Comply with Federal/State/Local regulations

Precautions to be taken in handling and storage
For transport, handling, and storage, use polyethylene, plastic, lined steel or stainless steel containers. Containers may be hazardous after empty and should be disposed of properly.

Section VIII Control Measures

Ventilation Requirements
Either local exhaust or general room ventilation is usually required.

Personal Protective Equipment
Respiratory protection-If exposure can exceed the PEL/TLV use only NIDSH/NSHA approved air purifying or supplied air respirator operated in a positive pressure mode per the NIOSH/OSHA 1981 Occupational Health Guidelines for chemical hazard.

Eye Protection
Splash Goggles and Face Shield must be worn. The equipment must be cleaned thoroughly after use.

Skin Protection
Impervious protective suit with gloves, boots, and full head and face protection must be worn. The equipment must be cleaned thoroughly after each use.

Other Hygienic Practices
Use good personal hygiene practices. Wash hands before eating, drinking smoking or using toilet facilities. Shower after work using plenty of soap and water.

Other Work Practices
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Promptly remove soiled clothing and wash thoroughly before reuse.

Section IX Additional Information
For industrial use only.
Keep out of reach of children
Never siphon by mouth
Failure to use caution may cause serious injury or illness

Disclaimers
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