



I. Chemical Product and Company Identification

Product Name: Super TSC-LT
Identification #: 35-515-5045
Product Use/Class: Scale Control
Supplier: Nabors Completion and Production Services
515 W. Greens Road, Suite 1100, Houston, TX 77067
Supplier Tracking Code: 1118
Emergency Contact: CHEMTREC 1 (800) 424-9300
Prepared By: KLH
Date Prepared: 11/18/2011

II. Composition/Information on Ingredients

Chemical Name: Non-Hazardous Mixture
CAS Number: Proprietary
Percent by Mass Less Than: 100% non hazardous

Exposure Limits

Threshold Limit Value - Time Weighted Average: NA
Threshold Limit Value - Short Term Exposure Limit: N/A
Permissible Exposure Limit - Time Weighted Average: N/A
Permissible Exposure Limit - Ceiling: N/A
Company Threshold Limit - Time Weighted Average: N/A
Skin: N/A

III. Hazardous Identification

Emergency Overview: Warning! May cause eye and skin irritation. Ingestion may cause gastrointestinal irritation. Not an inhalation hazard unless respirable mists, aerosols, or vapors are generated. If generated, mists, aerosols, or vapors may cause respiratory tract irritation.

Eye Contact: Contact may cause eye irritation with tearing, redness and swelling.

Skin Contact: Contact may cause skin irritation with redness.

Inhalation: If product mists, aerosols, or vapors are generated and inhaled, respiratory tract irritation may occur. Dizziness, headache, nausea, and flu-like symptoms may also occur. Persons with sensitive airways (e.g. asthmatics) may react to inhaled mists.

Ingestion: Ingestion may cause gastrointestinal irritation. Ingestion of a sizable amount may cause gastrointestinal upset and temporary central nervous system depression.

Chronic Harards: Repeated or prolonged exposure of the skin to propylene glycol may cause defatting and drying of the skin. Propylene glycol does not pose a chronic inhalation hazard unless mists, aerosols, or vapors are generated and inhaled over a prolonged period of time or are repeatedly inhaled. If so, central nervous system depression may occur.

Primary Route(s) of Entry: ■ Skin Contact ■ Eye Contact ■ Ingestion

IV. First Aid Measures

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally to ensure complete rinsing. Get medical attention immediately.
Skin Contact:	In a timely manner, remove contaminated clothing and wash the affected area thoroughly with plenty of soap and water. If irritation occurs, get medical attention. Wash contaminated clothing before reuse.
Inhalation:	If inhalation occurs, remove victim to fresh air. If breathing stops, give artificial respiration. If breathing is difficult, have a trained medical person give oxygen. Get medical attention if any breathing difficulties occur.
Ingestion:	If swallowed, do not induct vomiting. If victim is conscious and alert, give large quantities of water. Get medical attention. Never give anything by mouth to an unconscious person.

V. Fire Fighting Measures

Flash Point:	200° F
Auto Ignition Temperature:	N/A
Lower Explosive Temp.:	N/A
Upper Explosive Temp.:	N/A
Extinguishing Media:	Alcohol foam, water fog, carbon dioxide or dry chemical. Do not use a direct stream of water or frothing may occur.
Unusual Fire and Explosive Harards:	Product emits toxic gases under fire conditions. A flammable concentration of propylene glycol vapor can accumulate at temperatures above 215° F.
Special Fire Fighting Procedures:	Exercise caution when fighting any chemical fire. A self-contained breathing apparatus and protective clothing are essential.

VI. Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled:	Use personal protective equipment recommended in section 8 (exposure controls/personal protection). Restrict access to area as appropriate until clean-up operations are complete. Do not touch spilled material. Ventilate the spill area. Stop or reduce any leaks if it is safe to do so. For small spills, soak up spill with an inert material (e.g. vermiculite, dry sand, earth). Place residues in a suitable, covered, properly labeled container. Wash the affected area. For large spills, contain liquid using an inert absorbent material by digging trenches or by diking. Reclaim into recovery or salvage drums or tank truck for proper disposal. Contact an approved waste hauler for disposal of contaminated recovered material. Dispose of material in compliance with regulations indicated in section 13 (disposal).
--	---

VII. Handling and Storage

Handling:	Avoid contact with eyes, skin and clothing. Avoid breathing dust. Use with adequate ventilation. Wash thoroughly after handling. Do not take internally. Keep containers closed when not in use. Ensure that containers are properly labeled. Since empty containers retain product residues (vapors, liquid), observe all warnings and precautions listed for the product. Have emergency equipment (for fires, spills, leaks, etc.) readily available.
Storage:	Store product in a cool, dry, well-ventilated area away from incompatibles. Avoid elevated temperatures.

VIII. Exposure Controls/Personal Protection

Engineering Controls:	A system of local and/or general exhaust is recommended to keep employee exposures below irritating levels. Local exhaust ventilation is preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
Respiratory Protection:	If mists, vapors, or aerosols are generated, an approved respirator is recommended. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training and maintenance and inspection.
Skin Protection:	Chemical resistant gloves and clean body covering clothing.
Eye Protection:	Chemical splash goggles.
Other Protective Equipment:	An eye wash station and safety shower should be accessible in the immediate area of use.
Hygienic Practices:	N/A

IX. Physical and Chemical Properties

Boiling Point:	N/A	Vapor Density:	N/A
Odor:	Mild.	Odor Threshold:	N/A
Appearance:	Clear, colorless.	Evaporation Rate:	N/A
Solubility in H ₂ O:	Complete.	Specific Gravity:	1.12-1.18 g/mL
Freeze Point:	<5° F	pH at 50.0%:	6.0-7.5
Vapor Pressure:	N/A	Viscosity:	N/A
Physical State:	Liquid.		
Coefficient of Water Oil Distribution:	N/A		

X. Stability and Reactivity

Conditions to Avoid:	Avoid temperatures above 250° F since propylene glycol decomposes at temperatures exceeding that value.
Incompatibility:	Strong oxidizing agents, strong bases and strong acids.
Hazardous Decomposition Products:	Thermal decomposition or combustion may produce oxides of carbon, potassium, phosphorus, nitrogen, sulfur and sodium as well as acrylate monomers, hydrocarbons, aldehydes, lactic acid, pyruvic acid and acetic acid.
Hazardous Polymerization:	Will not occur.
Stability:	Stable.

XI. Toxicological Properties

Toxicological Properties:	No product information is available.
Oral:	Propylene glycol: >20,000 mg/ Kg. 2-Phosphonobutane-1,2,4-tricarboxylic acid: >6,500 mg/Kg. Anionic copolymer: >5,000 mg/Kg. Anionic polymer: >1,450 mg/Kg.
Dermal:	Propylene glycol: >10,000 mg/ Kg. 2-Phosphonobutane-1,2,4-tricarboxylic acid: >4,000 mg/Kg. Anionic copolymer: >2,000 mg/Kg. Anionic polymer: >5,800 mg/Kg.
Inhalation:	Propylene glycol: N/A. 2-Phosphonobutane-1,2,4-tricarboxylic acid: >3,000 mg/m ³ /4H. Anionic copolymer: N/A. Anionic polymer: N/A.

XII. Ecological Information

Ecological Properties:	N/A
Ecotoxicity:	N/A
Chemical Fate Information:	N/A

XIII. Disposal Consideration

Disposal Method: Dispose of in accordance with local, state, and federal regulations.
RCRA Status: Discarded product, as sold, would be considered a RCRA Hazardous Waste.

XIV. Transportation Information

DOT Proper Shipping Name: Not DOT Regulated
DOT Technical Name:
DOT Hazard Class:
DOT Hazard Subclass:
DOT UN/NA Number:
Packing Group:
Resp. Guide Page:

XV. Regulatory Information

OSHA:	This product is not considered to be hazardous as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
TSCA Status:	The ingredients of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.
CERCLA SARA: SARA Section 313 Required Reporting:	No ingredients have a CERCLA RQ.

XVI. Other Information

Other Information:	The preceding information is accurate to the best of our knowledge. However, since data, safety standards, and government regulations are subject to change, and the conditions of handling and use or misuse are beyond our control, Superior Well Services makes no warranty, either express or implied, with respect to the completeness or continuing accuracy of the information contained herein, and disclaims all liability for reliance thereon. User should satisfy himself that he has all current data relevant to his particular use.
MSDS Updated:	11/15/2012
MSDS Printed:	1/9/2015

This product material safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. For any other uses, or when used in conjunction with other products, exposures must be evaluated by the user so that appropriate handling practices and training programs can be established to ensure safe workplace operations. This information is confidential to Nabors Completion & Production Services Company (Nabors) and intended solely for the use of the individual or entity to whom they are directly distributed. Distribution or use beyond the individual or entity is strictly prohibited without the consent of Nabors.