

SS11

Date Prepared: May 17, 2012

1. Identification of Substance

Product Name: SS11
Application: Shale Stabilizer
Company Information: ICT Oilfield Products
1100 Louisiana, Suite 5250
Houston, TX 77002

EMERGENCY TELEPHONE NUMBER: 806-790-3141

2. Composition/Data on Components

<u>Ingredients(s)</u>	<u>CAS Number</u>	<u>% (by weight)</u>
Proprietary	No hazardous components in this product	

3. Hazards Identification

Physical State and Appearance: Amber colored liquid with a mild odor

CERCLA Reportable Quantity: Not applicable

Hazard Summary: May be irritating to eyes, skin and respiratory tract

Routes of Exposure: Skin (permeator), Skin (contact), eyes

Potential acute health effects: None reported on components in this product

Additional Hazard Remarks: Not available

4. First Aid Measures

Eye Contact Immediately flush the eye(s) continuously with lukewarm, gently flowing water for at least 20-60 minutes while holding the eyelid(s) open. Get medical attention immediately.

Skin Contact Remove and launder or clean contaminated clothing and shoes. Wash with soap and water for at least 15 minutes or until no evidence of material remains. Get medical attention if inflammation occurs.

Inhalation Remove to fresh air. Oxygen may be administered if breathing is difficult. If not breathing, administer artificial respiration and seek medical attention. Get medical attention if symptoms appear.

Ingestion If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never induce vomiting or give anything by mouth to a victim who is unconscious or having convulsions. Get medical attention if symptoms appear.

Note to Physicians Not available

Additional Remarks Not available

5. Fire Fighting Measures

Flammability Not regulated as flammable or combustible

Products of Combustion These products are carbon dioxides (CO, CO₂)

Fire Fighting Media In case of fire, use foam, dry chemicals, or CO₂ fire extinguishers. Evacuate the area and fight fire from a safe distance. Water spray may be used to keep fire-exposed containers cool. Keep water runoff out of sewers and public waterways.

Protective Clothing Do not enter area without proper personal protective equipment, including NIOSH approved self-contained breathing apparatus.

Remarks Not available

6. Accidental Release Measures

Put on appropriate personal protective equipment. Evaluate surrounding areas. Vacuum or carefully scoop up spilled materials and place in an appropriate container for disposal. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

7. Handling and Storage

Put on appropriate personal protective equipment. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or dusts. Use only with adequate ventilation. Store in a dry, cool and well-ventilated area. Keep away from incompatibles. Keep container tightly closed and dry.

8. Exposure Controls/Personal Protection

Engineering Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors or particles below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work station location.

Personal Protection

Personal Protection 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 personal protective equipment appropriate for these job tasks and conditions.

Eyes	Chemical safety goggles
Body	Protective Clothing
Respiratory	Respirator use is not expected to be necessary under normal conditions of use. In poorly ventilated areas, emergency situations or if exposure levels are exceeded, use NIOSH approved full face respirator.
Hands	Chemical resistant glove (nitrile or neoprene)
Feet	Chemical resistant boots or overshoes
Other	Not available

9. Physical and Chemical Properties

Physical State	Liquid
Color	Amber
Odor	Mild
pH	6.5 - 7.5
Specific Gravity	1.02 – 1.04
Density	8.4 – 8.6 lbs/gal
Flash Point	Closed cup - >300 F
Flammable Limits	L.E.L. not available U.E.L. not available
Autoignition Temperature	Not available
Initial Boiling Point	Not available
Boiling Point	Not available
Vapor Density	>1 (Air = 1)
Vapor Pressure	Not available or not applicable for solids
Evaporation Rate	Not available or not applicable for solids
VOC	Not available
Viscosity	Not available
Pour Point	Not available
Solubility (water)	Dispersable

10. Stability and Reactivity

Stability and Reactivity	Product is stable
Conditions of instability	Not available

Incompatibility	Oxidizing Materials
Hazardous Decomposition Products	Not available
Hazardous Polymerization	not expected to occur
Special Stability and Reactivity Remarks	Not available

11. Toxicological Information

Not applicable to this product

12. Ecological Information

Ecotoxicity	Not available
BODS and COD	Not available
Biodegradable/OECD	Not available
Toxicity of the products of Biodegradation	Not available
Remarks	Not available

13. Disposal Considerations

Responsibility for proper waste disposal rests with the generator of the waste. Dispose of any waste in accordance with all applicable federal, state and local regulations. Note that these regulations may also apply to empty containers, liners and rinsate. Processing, use dilution or contamination of this product may cause its physical and chemical properties to change.

14. Transport Information

DOT Classification	Not regulated by DOT
DOT Reportable Quantity	Not applicable

15. Other Information

Disclaimer: The information presented herein is presented in good faith and is believed to be correct as of the date hereof. However, ICT makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature with respect to the product or to the information herein is made hereunder. ICT shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication, or use of, or reliance upon the information contained herein.