



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier : FR-40
Chemical Name : Not Applicable, A Blend
Chemical Family : Not Applicable, A Blend
Manufacturer : CESI Chemical (a Flotek Industries, Inc. company)
 : 1004 S. Plainsman Road, Marlow, OK 73055
Emergency Phone : 1-405-282-8510
Prepared by : Denise Patterson
Phone : (580)-658-6608
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient : This product does not contain any reportable hazardous components as defined in 29 CFR 1910. 1200
CAS No. :
Wt. Percent Range :
OSHA PEL :
ACGIH TLV :
LD50 :
LC50 :

3. HAZARDS IDENTIFICATION

Human health hazards
Acute health hazards : Mildly irritating
Chronic health hazards : Defatting or dermatitis of the skin
Route(s) of entry : Eyes and skin
Safety hazards : Spills produce extremely slippery surfaces
Environmental hazards : No information is available on the product.

4. FIRST AID MEASURES

Eye : Remove contact lenses at once. Immediately flush with copious amounts of water for at least 15 minutes while holding eyelids open. If irritation persists, seek medical attention.
Skin : Wash affected area thoroughly with soap and water for at least 15 minutes or until product is removed. Remove contaminated clothing and launder before reuse. If irritation develops, seek medical attention.
Inhalation : Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek prompt medical attention.
Ingestion : Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash Point : >200°F
Lower Explosion Limit : Not applicable
Upper Explosion limit : Not applicable
Extinguishing Media : Water, water spray, dry chemical, foam or carbon dioxide
Protective equipment : NIOSH/MSHA approved self-contained breathing apparatus (SCBA) and turnout gear.
Hazardous combustion products : Oxides of carbon and oxides of nitrogen

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Wear hand, eye, protective clothing and respiratory protective equipment to eliminate contact.
- General precautions : Eliminate ignition sources. Evacuate all non-essential personnel.
- Small spills : Soak up residue with an inert absorbent and place into appropriate containers for disposal or reclamation. Flush contaminated area thoroughly with water. Retain washings as contaminated waste.
- Large spills : If possible stop the flow of chemical. Dike to contain and prevent spreading. Remove with vacuum truck or pump to salvage vessels. Treat residue as for small spills.

7. HANDLING AND STORAGE

- Handling : Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Use with adequate ventilation. Do not take internally. Wear appropriate protective clothing and equipment during handling. Wash thoroughly after handling. Remove contaminated clothing and laundry before reuse.
- Storage : Keep container closed when not in use. Store drums with the bung up. Carefully vent container before removing bung.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Occupational exposure standards : Not established for the product.
- Hand protection : Nitrile rubber gloves.
- Eye protection : Chemical splash goggles and face shield if conditions warrant.
- Respiratory protection : Not normally required.
- Engineering control measures : General (mechanical) room ventilation is expected to be satisfactory.
- Other : Emergency eye wash fountains and safety showers should be in the immediate vicinity of any potential exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Liquid
- Appearance : Opaque
- Color : Milky
- Odor : Aliphatic
- Specific Gravity : 1.02-1.06
- Bulk Density : 8.51-8.85 lbs/gal
- Boiling Point : No data available
- Freezing Point : No data available
- Solubility in water : Appreciable
- pH : 6-8 @ 5 g/l
- Percent Volatiles : No data available
- Vapor Pressure : No data available

10. STABILITY AND REACTIVITY

- Stability : Stable
- Conditions to avoid : Moisture
- Hazardous polymerization : Will not occur
- Hazardous decomposition products : Oxides of carbon and oxides of nitrogen
- Incompatibility : Strong oxidizing agents

11. TOXICOLOGICAL INFORMATION

- Acute Effects
- Eye : Causes mild to moderate irritation.
- Skin : Causes mild to moderate irritation. Prolonged skin contact may defat the skin and product dermatitis.
- Inhalation : Not expected to be toxic by inhalation.
- Ingestion : Not expected to be an ingestion hazard.
- Chronic Effects : No other known chronic effects.
- Carcinogenicity : None of the ingredients are listed in NTP, IARC monographs or OSHA regulated.

12. ECOLOGICAL INFORMATION

- Environmental Fate : No information is available on the product.

13. DISPOSAL CONSIDERATIONS

Waste disposal : Recycle if possible. Otherwise dispose to licensed disposal contractor.
Product disposal : Recycle if possible. Otherwise comply with all local, state and federal regulations.
Container disposal : Drain container thoroughly. Triple rinse with water. Send to reclaimer or dispose of properly. Comply with all local, state and federal regulations.

14. TRANSPORT INFORMATION

United States D.O. T.
DOT Shipping Name : Not Regulated
Label(s) required : None
Hazard Class : Not applicable
UN/NA number : Not applicable
Packaging group : Not applicable
Emergency Phone : (405) 282-8510

15. REGULATORY INFORMATION

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

OSHA Classification : Not Regulated

TSCA (USA) : All components listed.
DSL (Canada) : All components listed.

SARA Title III
Section 302 : Extremely Hazardous Substances (40CFR355): This product does not contain ingredients listed in Appendix A and B.

Sections 311/312
Immediate (acute) health hazard : YES
Delayed (chronic) health hazard : YES
Fire hazard : NO
Sudden Release of Pressure Hazard : NO
Reactive Hazard : NO

Section 313 Reportable Quantities : None

CERCLA : If the reportable quantity of this product is accidentally spilled, the incident is subject to the provisions of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and must be reported to the National Response Center by calling (800) 424-8802.

Reportable Quantity : Not determined for the product.

16. OTHER INFORMATION

NFPA 704
Health : 1
Fire : 1
Reactivity : 0
Special : None

HMIS
Health : 1
Fire : 1
Reactivity : 0
Special : None

Disclaimer of Liability : The information contained in this MSDS was obtained from sources that we believe are reliable. However, the information is without any warranty, express or implied, regarding correctness. The methods of handling, storage, use and disposal of the product are beyond our control and may be outside the scope of our knowledge. For these reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.