

Consolidated Oil Well Services, Inc.
P.O. Box 884
Chanute, KS 66720

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier : GA-40W
Chemical Name : Guar Gum
Chemical Family : Galatomannan
Manufacturer : CESI Chemical (a Flotek Industries, Inc. company)
: 1004 S. Plainsman Road, Marlow, OK 73055
Emergency Phone : (405) 282-8510
Prepared by : Denise Patterson
Phone : (580) 658-6608
Issue Date : 01/05/2011
Revised Date :

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient : This product does not contain any reportable hazardous components as defined in 29 CFR 1910. 1200

3. HAZARDS IDENTIFICATION

Human health hazards
Acute health hazards : Irritation
Chronic health hazards : None known
Route(s) of entry : Eyes, skin, inhalation
Safety hazards : None known
Environmental hazards : This product is not classified as dangerous for the environment.

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 irritation is experienced, mouth and throat may be rinsed with water. Particles adhering to the nasal cavity may be rinsed / diluted with saline / plain water. If irritation or asthma-like symptoms persist, 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 : Not applicable
Lower Explosion Limit : Not applicable
Upper Explosion limit : Not applicable
Extinguishing Media : Use media appropriate for surrounding fire.
Protective equipment : NIOSH/MSHA approved self-contained breathing apparatus (SCBA) and turnout gear.
Hazardous combustion products : Oxides of carbon

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 : Same as for large spills.
Large spills : Sweep up and scoop into containers for reuse or disposal. Avoid producing dust. Avoid entry of large amounts of product into sewers, natural waters and drinking water. Follow all local, state and federal regulations regarding the disposal of this material.

7. HANDLING AND STORAGE

- Handling : Avoid contact with eyes, skin and clothing. Avoid breathing dust. 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 : Store in cool, dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Occupational exposure standards : Not established for the product.
- Hand protection : Nitrile rubber gloves.
- Eye protection : Safety goggles
- Respiratory protection : Dust mask or appropriate respiratory protection equipment.
- 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 : Solid
- Appearance : Powder
- Color : White to tan
- Odor : Mild
- Specific Gravity : No data available
- Bulk Density : 35 lbs/ft³
- Boiling Point : Not applicable
- Freezing Point : Not applicable
- Solubility in water : Soluble (forms a gel)
- pH : Not applicable
- Percent Volatiles : Not applicable
- Vapor Pressure : Not applicable

10. STABILITY AND REACTIVITY

- Stability : Stable
- Conditions to avoid : Ignition sources (dust) and procedures which can produce dust.
- Hazardous polymerization : Will not occur
- Hazardous decomposition products : Oxides of carbon
- Incompatibility : Strong oxidizing agents

11. TOXICOLOGICAL INFORMATION

- Acute Effects
- Eye : Practically non-toxic, but can be irritating, depending on individual sensitivity.
- Skin : Essentially non-toxic. May produce a drying effect, which can cause irritation on prolonged or repeated exposure.
- Inhalation : Dust may produce respiratory irritation and/or allergic response in some individuals.
- Ingestion : Virtually non-toxic. If large quantities are ingested, may produce a laxative effect.
- Chronic Effects : None known.
- Carcinogenicity : None of the ingredients are listed in NTP, IARC monographs or OSHA regulated.

12. ECOLOGICAL INFORMATION

- Environmental Fate : Product is expected to be readily biodegradable.

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 : Comply with all local, state and federal regulations.

14. TRANSPORT INFORMATION

LAND (D.O.T.)

Shipping Name : Not Regulated
Label(s) required : None
Emergency Phone : (405) 282-8510

AIR (IATA)

Shipping Name : Not Regulated
Label(s) required : None

SEA (IMDG)

Shipping Name : Not Regulated
Label(s) required : None

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 : NO
Delayed (chronic) health hazard : NO
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 : 0
Fire : 0
Reactivity : 0
Special : None

HMIS
Health : 0
Fire : 0
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.