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DATE: January 1, 2014

SECTION I - DSC LIQUID GUAR E - SAFETY DATA

TRADE NAME: DSC LIQUID GUAR E

PRODUCT DESCRIPTION: A suspension of guar polymer in an organic solvent gel

SUPPLIER: DEEP SOUTH CHEMICAL, INC.

220 Millstone Rd.
Broussard, LA 70518

NAME OF CONTACT: S. Baijal/Glenn Ray

For Emergency: CHEMTREC 1-800-424-9300; outside the USA 1-703-527-3887

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION:

(a) Substances classified under CHIP: Polymer (40-70%) & Glycol ether (30-60%)

SECTION III - HAZARDS IDENTIFICATION

For the substance in section 1(a), the following apply:

- (i) **Inhalation:** May be mildly irritating if inhaled
- (ii) **Skin contact:** May be mildly irritating to skin
- (iii) **Eye contact:** May be mildly irritating to eyes
- (iv) **Ingestion:** May be mildly irritating if swallowed
Low systemic toxicity.

HIMS Codes: Health (1) Fire (2) Reactivity (0)

SECTION IV - FIRST AID MEASURES

- (i) **Inhalation:** Move to area of fresh air until discomfort ceases.
Seek medical advice if necessary.
- (ii) **Skin contact:** Wash skin with soap and water.
- (iii) **Eye contact:** Wash the eyes with plenty of water for at least 15 minutes.
If irritation persists, seek medical advice.
- (iv) **Ingestion:** Drink plenty of water.

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SECTION V- FIRE FIGHTING MEASURES

FLASH POINT (°F):	150° F (PMCC)
FLAMMABLE LIMITS:	-
AUTOIGNITION TEMPERATURE:	N/D
SUITABLE EXTINGUISHING MEDIA:	Powder, foam, CO ₂
EXTINGUISHING MEDIA NOT TO BE USED:	Water jet may spread fire.
DECOMPOSITION/COMBUSTION PRODUCTS:	Oxides of carbon.
SPECIAL FIRE FIGHTING PROCEDURES:	Water spray to cool drums.
SPECIAL PROTECTIVE FIRE:	-
FIGHTING EQUIPMENT:	-

SECTION VI - ACCIDENTAL RELEASE MEASURES/SPILLS AND LEAKS

PERSONAL PRECAUTIONS: Use personal protection equipment - section 7. Remove sources of ignition.

ENVIRONMENTAL PRECAUTIONS: Do not allow to enter drains or waterways.

CLEANING UP METHOD: Wash area with water. For large spills, dike area and pump into suitable containers. See section 13 also.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Combustible Liquid . Prevent static buildup and discharge. Keep away from potential sources of ignition. Avoid contact with skin, eyes and clothing.

CONDITIONS FOR SAFE STORAGE: Store in dry place. Ensure adequate air circulation. Keep drums tightly closed. Avoid strong oxidizing agents. Avoid potential sources of ignition.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION**OCCUPATIONAL EXPOSURE STANDARD:**

8 hour TWA: 100 ppm is recommended.

10 min TWA: 150 ppm is recommended.

PRECAUTIONARY ENGINEERING MEASURES:

Fume extraction where required; adequate air circulation.

RESPIRATORY PROTECTION: Suitable equipment in case of insufficient ventilation.

HAND PROTECTION: Wear rubber or plastic gloves.

EYE PROTECTION: Safety glasses or goggles.

SKIN PROTECTION: Oil proof protective clothing.

PRODUCT NAME: DSC LIQUID GUAR E**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: Pale viscous liquid.
ODOR: Organic
pH: N/A
BOILING POINT/BOILING RANGE (°F): 330-340 °F
MELTING POINT/MELTING RANGE (°F): N/A
FLASH POINT (°C) (METHOD USED): 150 °F (PMCC)
FLAMMABILITY LIMITS: N/D
AUTO FLAMMABILITY: - N/D
EXPLOSIVE PROPERTIES: LEL: N/D UEL: N/D
OXIDIZING PROPERTIES: at 75 °F- N/D
VAPOR PRESSURE: at 75 °F, 0.4 mmHg
SPECIFIC GRAVITY: Approx. 1.1 @ 75 °F
SOLUBILITY: Soluble in water
PARTITION COEFFICIENT, N-OCTANOL/WATER: N/D (Completely miscible with water)

SECTION X - STABILITY AND REACTIVITY

STABILITY/CONDITIONS TO AVOID: Stable in normal conditions.
INCOMPATIBILITY/MATERIALS: Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Smoke, carbon oxides.
HAZARDOUS POLYMERIZATION: None described.

SECTION XI - TOXICOLOGICAL INFORMATION

HAZARDOUS INGREDIENTS: Slight eye Irritant
IMMEDIATE HEALTH EFFECTS: Slight eye irritant
DELAYED HEALTH EFFECTS: Defatting of skin with frequent or prolonged skin contact.
ACUTE EFFECTS (Short term): -Slight Irritation
CHRONIC EFFECTS (Long term): -N/D

SECTION XII - ECOLOGICAL INFORMATION

UK OCNS CATEGORY: N/D
ENVIRONMENTALLY DANGEROUS INGREDIENTS: None
MOBILITY: -
PERSISTENCE AND DEGRADABILITY: All the components are biodegradable.
BIODEGRDATION: 70-90% in 28 days.
BIOACCUMULATIVE POTENTIAL: Low
AQUATIC TOXICITY: 96 HR LC50 (Mycid shrimp) > 142,200 ppm
MARINE POLLUTANT (IMDG Code): No.
OIL AND GREASE CONTENT IN SLURRY (POLYMER 2 LB/BBL) : 16-20 mg/L



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SECTION XIII - DISPOSAL CONSIDERATIONS

DISPOSAL OF WASTE MATERIALS: Incinerate or use another disposal method in compliance with local regulations.
DISPOSAL OF WASTE CONTAINERS: Recycle, clean out residues.
DISPOSAL RESTRICTIONS: Comply with local regulations.
STATUTORY NOTIFICATION REQUIRED: None in UK.

SECTION XIV - TRANSPORT/LABEL INFORMATION

DESIGNATION: - DOT (bulk containers) Combustible Liquid
UN NUMBER: NA 1993
IMDG CLASSIFICATION: N/A
PROPER SHIPPING NAME: NA 1993, Combustible Liquid, n.o.s (Glycol Ether) PG III

SECTION XV - REGULATORY INFORMATION

SUPPLY LABEL SYMBOLS: Combustible Liquid
IN CASE OF CONTACT WITH EYES: Rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water.
All components of this material are on the USA TSCA inventory, or the components are exempt from inventory reporting

SECTION 313 SUPPLIER NOTIFICATION:

This product contains the following EPCRA Section 313 chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372):

*** Section 313 Components 40-CFR-372.65**

<u>Chemical Name</u>	<u>%</u>
Glycol Ether	20-90

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