

	FourQuest Energy Inc. MATERIAL SAFETY DATA SHEET	Region USA
--	---	---------------

1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: **FQE LEL V**
Item Number: 425130
Product Use: Degassing Agent
Supplier: FourQuest Energy Inc.
6500 Long Dr.
Houston, Texas 77087
(713-242-0055)

IN CASE OF EMERGENCY CALL: (800)424-9300 for CHEMTREC
(703) 527-3887 for International

HMS HAZARD INDEX

HEALTH: 1
FLAMMABILITY 0
REACTIVITY: 0
PERSONAL PROTECTION: i

2 COMPOSITION/INFOMRATION ON INGREDIENTS

Non-Hazardous

Ingredient	%
2-Butoxyethanol, CAS# 111-76-2	1-5
Alkylphenol, polyoxyethylene glycol ether, CAS# 9036-19-5	1-5
Sulfuric Acid, alkyl esters, sodium salt, CAS # 73296-89-6	1-5
1-Methoxypropan-2-ol, CAS# 107-98-2	1-5

3 HAZARDS INDENTIFICATION

PRIMARY ROUTES OF EXPOSURE: Eye contact. Skin contract

ACUTE OVEREXPOSURE EFFECTS:

INHALATION: Not a likely exposure route. Prolonged inhalation of mist may cause respiratory tract irritation.

INGESTION: Not a likely exposure route. May cause stomach discomfort. May cause nausea and vomiting.

EYE CONTACT: May cause mild eye irritation.

SKIN CONTACT: Prolonged contact may cause mild irritation.

EXPOSURE LIMITS:

Ingredient	CAS#	TWA (Units)	SARA 313	OSHA Carcin
2-Butoxyethanol	111-76-2	20 ppm	No	No
Alkylphenol, polyoxyethylene glycol ether	9036-19-5	NA	No	No
Sulfuric Acid, alkyl esters, sodium salt	73296-89-6	NA	No	No
1-Methoxypropan-2-ol	107-98-2	100 ppm	No	No

4 FIRST AID MEASURES**INHALATION:**

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

INGESTION:

Rinse mouth out with water. Drink plenty of water. Seek medical advice.

EYES:

Flush eyes with plenty of water and get medical attention if irritation persists.

SKIN:

Wash with soap and water. Remove contaminated clothing and launder before reuse. Seek medical attention if irritation persists.

5 FIRE FIGHTING MEASURES**FLASHPOINT (METHOD):**

> 200°F

LOWER EXPLOSION LIMIT (% v/v):

Not available

UPPER EXPLOSION LIMIT (% v/v):

Not available

AUTO-IGNITION TEMPERATURE:

Not available

SPECIAL HAZARDS:**EXTINGUISHING MEDIA:**

Water fog, carbon dioxide, foam, dry chemical.

SPECIAL FIREFIGHTING PROCEDURES:

Fire-fighters should wear self-contained breathing apparatus and full protection clothing when fighting chemical fires.

HAZARDOUS COMBUSTION PRODUCTS:

See Hazardous Thermal Decomposition Products.

6 ACCIDENTAL RELEASE MEASURES

Wear specified protective equipment. Small spills – Cover spill with absorbent material. Scoop absorbed material into a suitable container for disposal. Large spills – Dike to contain. Prevent from entering sewers or waterways. Recover product to suitable containers or vessel for reuse, if possible, or for disposal.

7 HANDLING AND STORAGE

HANDLING:

Wear specified protective equipment. Use only in a well ventilated area.

STORAGE REQUIREMENTS:

Keep container tightly closed, in a cool, well ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

SPECIFIC ENGINEERING CONTROLS:

Use only in a well ventilated area.

PERSONAL PROTECTIVE EQUIPMENT:

Chemical resistant goggles. Rubber gloves. Neoprene gloves. Rubber apron. Rubber boots.

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
COLOR:	Pale yellow
ODOR:	Mild
ODOR THRESHOLD:	Not available
SPECIFIC GRAVITY:	1.02
VAPOR PRESSURE:	Same as water
VAPOR DENSITY (AIR =1):	Same as water
EVAPORATION RATE:	Not available
BOILING POINT:	> 200°F
FREEZING POINT:	Not available
pH:	7.5-8.5
SOLUBILITY IN WATER:	Dispersible

10 STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions of use.

INCOMPATIBILITY/CONDITIONS REACTIVITY:

None known.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS:

Carbon monoxide. Carbon dioxide.

11 TOXICOLOGICAL PROPERTIES

CHRONIC EFFECTS:

None known:

SENSITIZATION:

Not known.

CARCINOGENICITY:

None of the components of this product have been listed as carcinogenic by IARC, NTP or OSHA. (IARC- International Agency for Research on Cancer) (NTP – National Toxicology Program) OSHA – Occupational Safety & Health Administration (US))

MUTAGENICITY:

Not known.

REPRODUCTIVE TOXICITY:

Not known.

12 ECOLOGICAL INFORMATION

No specific information available

13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Disposal should be made in accordance with national and local regulations. Consult local waste authorities for direction and/or approvals prior to disposal.

14 TRANSPORT INFORMATION

LAND TRANSPORT (DOT)

Proper Shipping Name: NOT RESTRICTED
Hazard Class – Primary:
UN/ID No.: NA
Packing Group:
Subsidiary Risk:
Reportable Quantity (RQ):
Emergency Response Guide#:

AIR TRANSPORT (ICAO/IATA)

Proper Shipping Name: NOT RESTRICTED
Hazard Class – Primary:
UN/ID No.: NA
Packing Group:

MARINE TRANSPORT (IMDG/IMO)

Proper Shipping Name: NOT RESTRICTED
Hazard Class – Primary:
Packing Group:
EmS:

15 REGULATORY INFORMATION

SARA TITLE III:

SECTION 302/304 This product does not contain substances listed in Appendix A and B as an Extremely Hazardous Substance.

SECTION 311/312 None.

SECTION 313 This product does not contain ingredients (at a level of 1% or greater) on the List of Toxic Chemicals

TSCA INVENTTORY: The substances in this product are included on or exempted from the TSCA 8(b) Inventory (40 CFR 710)

CALIFORNIA PROP 65: This product does not contain substances which require warning under California Proposition 65.

PRIORITY POLLUTANTS: NA

16 OTHER INFORMATION

ISSUE DATE: 11/2013

PREPARED BY: FourQuest Energy Inc.

REFERENCES:

CCINFO Web Information Service, Canadian Centre for Occupational Health and Safety, 2006. Supplier’s Literature.

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Revision: 1 Status: Approved & Released MSDS

Revision History:

Revision:	Sec/Para Changed	Changed Made:	Date:
1	N/A	Initial Issue of Document	11/20/13

Name: M. Rogers	Approved – 11/20/2013
Title: HSE Specialist	

Name: D.J. Mason

Approved – 11/20/2013

Title: R&D Manager - Chemistry

MSDS submitted for Final Approval – 11/20/2013

Final Approval – 11/20/2013

Final Approval by D.J. Mason – 11/20/2013