ON TOP OF YOUR NEEDS
MOUNTAIN SUPPLY & SERVICE

SAFETY DATA SHEET
GEL 1500

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

TRADE NAME: GEL 1500
MATERIAL: 1112193, 1107988, 1103427, 1105173
PRODUCT USE: Oilfield Fluids Additive
COMPANY: Mountain Supply & Service, LLC Phone: 304-547-1119
1512 Colony Cir
Longview, TX 75604
Emergency telephone number: CHEMTEL: 800-255-3924

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Physical state: Liquid Color: White Odor: Slight Hydrocarbon
OSHA Hazards: Combustible Liquid

GHS CLASSIFICATION: Flammable liquids, Category 4

GHS-LABELING
Signal Word: Warning
Hazard Statements: H227: Combustible liquid

Signal Word: **Warning**
Hazard Statements: H227: Combustible liquid

Precautionary Statements:
Prevention: P210 Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection

Response: P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage: P403 + P235: Store in a well-ventilated place. Keep cool.
Disposal: P501: Dispose of contents/ container to an approved waste disposal plant.

Carcinogenicity:
IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP

ACGIH No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Liquid Acid Gelling Agent **Molecular formula**: Mixture

Component	CAS-No.	Weight %
C12-C14 Isoalkanes	68551-19-9	0- 60.00
Distillates (petroleum), hydrotreated light	64742-47-8	0- 60.00

4. FIRST AID MEASURES

GENERAL ADVICE:	No hazards which require special first aid measures.
IF INHALED:	If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.
IN CASE OF SKIN CONTACT:	If on skin, rinse well with water. If on clothes, remove clothes.
IN CASE OF EYE CONTACT:	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
IF SWALLOWED:	Keep respiratory tract clear. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.

5. FIRE FIGHTING MEASURES

FLASH POINT:	76.7 °C (170.1 °F) - Method: Tag closed cup
AUTOIGNITION TEMPERATURE:	232 °C (450 °F)
SUITABLE EXTINGUISHING MEDIA:	Carbon dioxide (CO2).
UNSUITABLE EXTINGUISHING MEDIA:	High volume water jet.
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS:	Wear self contained breathing apparatus for fire fighting if necessary .
FURTHER INFORMATION:	For safety reasons in case of fire, cans should be stored separately in closed containments. Use a water spray to cool fully closed containers.
FIRE AND EXPLOSION PROTECTION:	Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon oxides

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS:	Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
METHODS FOR CLEANING UP:	Contain spillage, and then collect with non- combustible absorbent material, (e.g. sand, earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

HANDLING

ADVICE ON SAFE HANDLING:	Avoid formation of aerosol. Do not breathe vapors/ dust. For personal protection see section 8. Smoking, eating, and drinking should be prohibited in the application area. Provide sufficient air exchange and/ or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.
ADVICE ON PROTECTION AGAINST FIRE AND EXPLOSION:	Do not spray on an open flame or any other incandescent material. Keep AWAY From open flames, hot surfaces and sources of ignition.

STORAGE

REQUIREMENTS FOR STORAGE AREAS AND CONTAINERS:	No smoking, Keep container tightly closed in a dry and well- ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations/materials must comply with technological safety standards.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENTS WITH WORKPLACE CONTROL PARAMETERS

Ingredients	Basis	Value	Control parameters	Note
C12-C14 Isoalkanes	Manufacturer	TWA	1,200 mg/m3	

ENGINEERING MEASURES: Adequate ventilation to control airborned concentrations below the exposure guidelines/limits. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: Wear a supplied-air NIOSH approved respirator unless ventilation or other engineering controls are adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure. Wear a NIOSH approved respirator that provides protection when working with this material if exposure to harmful levels of airborne material may occur, such as:. Air-Purifying Respirator for Organic Vapors. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.

HAND PROTECTION: The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

EYE PROTECTION: Eye wash bottle with pure water. Tightly fitting safety goggles.

SKIN AND BODY PROTECTION: Choose body protection according to the amount and concentration of the dangerous substance at the work place. Wear as appropriate:. Flame-resistant clothing. Footwear protecting against chemicals.

HYGIENE MEASURES: Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

PHYSICAL STATE:	Liquid	**MOLECULAR WEIGHT:**	Not applicable
COLOR: ODOR:	White	**PH:**	7
SAFETY DATA	Slight Hydrocarbon	**DENSITY:**	958.6 g/l 223-244˚ C
FLASH POINT:	87 °C (188 °F) Method: Tag closed cup	**BOILING POINT/BOILING RANGE:**	(433-471˚F) 0.01 PSI at 25˚ C (77 ˚F)
LOWER EXPLOSION LIMIT:	No data available	**VAPOR PRESSURE:**	
UPPER EXPLOSION LIMIT:	No data available	**RELATIVE DENSITY:**	0.96, 15.6 ˚ C (60.1 ˚ F)
OXIDIZING PROPERTIES:	No	**WATER SOLUBILITY:**	Dispersible
AUTOIGNITION TEMPERATURE:	232 °C (450 °F)	**PARTITION COEFFICIENT: N-OCTANOL/WATER:**	No data available
MOLECULAR FORMULA:	Mixture	**VISCOSITY, KINEMATIC:**	79,007 cSt
		RELATIVE VAPOR DENSITY:	3 (Air= 1.0)
		EVAPORATION RATE:	<1

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: This material is considered stable under normal conditions of temperature and pressure.

POSSIBILITY OF HAZARDOUS REACTIONS

CONDITIONS TO AVOID: Avoid contact with strong oxidizers. Avoid contact with heat, light, catalysts, halogens or any other chemicals. Avoid high temperatures. Heat, flames and sparks.

MATERIALS TO AVOID: May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

OTHER DATA: No decomposition if stored and applied as directed.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

C12- C14 Isoalkanes: LD50 > 3,900 mg/kg Species: rat

Acute inhalation toxicity

C12- C14 Isoalkanes:
LC50 > 5.3 mg/l
Exposure time: 4 hr
Species: rat
LC50 > 5.2 mg/l
Exposure time: 4 HR
Species: rat
Information given is based on data obtained from similar substances.

?asrc bcp k_j rmvgagrw

A/0+A/2 Gqm_ji_lcq LD50> 2,000 mg/kg
Species: rabbit
LD50> 2,000 mg/kg
Species: rabbit
Information given is based on data obtained from similar substances

Skin irritation Lm skin irritation +gldmpk_rgmlpcdcpqrmk_glglepcbgclr,

Eye irritation Lm cwc gppgr_rgml+gldmpk_rgmlpcdcpqrmk_glglepcbgclr,

Sensitization Lmqiglqclqgrgx_rgml+Gldmpk_rgmlegtclgq`_qcbmlb_r_m`r_glcbdpmkqgkgj_pqs`qr_lacq,

Repeated dose toxicity

C12- C14 Isoalkanes
Species: Monkey
Dose: 0,654 ppm
Exposure time: 4 wk
Number of exposures: 6 h/d, 3 d/wk
NOEL: > 654 ppm

Aspiration toxicity: No aspiration toxicity classification

Further information: Qmjtclrqk_wbcepc_qcrfcqigl,

12. ECOLOGICAL INFORMATION

RMVGAGRW RM DGQF8

A/0+A/2 Gqm_ji_lcq
JJ3.8</*... ke-j
Cvnmqspc rgkc8 74 f
Qncagcq8 Mlampfwlafsq kwigqq &p_glˋmu rpmsr' qckg+qr_rgarcqr Kcrfmb8 MCAB Rcqr Esgbcjglc 0.1 Gldmpk_rgmlegtclgq`_qcbmlb_r_m`r_glcbdpmkqgkgj_pqs`qr_lacq,

RMVGAGRW RM ALGAE8

A/0+A/2 Gqm_ji_lcq
EJ3.8</*... ke-j
Cvnmqspc rgkc8 72 f
Qncagcq8 Pseudokirchneriella subcapitata (green algae) Growth inhibition Mcrfmb8 MCAB Rcqr Esgbcjglc 0.1 Gldmpk_rgmlegtclgq`_qcbmlb_r_m`r_glcbdpmkqgkgj_pqs`qr_lacq,

RMVGAGRW RM B?NFLG? ?LB MRFCP ?OS?RGA GLTCPRG@P?RCQ8

A/0+A/2 Gqm_ji_lcq
CJ3.8</*... ke-j
Cvnmqspc rgkc8 26 f
Qncagcq8 B_nflg_k_el_&U_rcpdjc_' qr_rgarcqr Kcrfmb8 MCAB Rcqr Esgbcjglc 0.0, Gldmpk_rgmlegtclgq`_qcbmlb_r_m`r_glcbdpmkqgkgj_pqs`qr_lacq,

DISTILATES (PETROLEUM, HYDROTREATED LIGHT:
CJ3.8</*... ke-j
Cvnmqspc rgkc8 26 f
Qncagcq8 B_nflg_k_el_&U_rcpdjc_' qr_rgarcqr Kcrfmb8 MCAB Rcqr Esgbcjglc

12. ECOLOGICAL INFORMATION (cont'd)

BIODEGRADABILITY: This material is not expected to be readily biodegradable.
ADDITIONAL INFORMATION: This material is not expected to be harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

The information in this MSDS pertains only to the product as shipped.
Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

PRODUCT: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
CONTAMINATED PACKAGING: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

14. TRANSPORT INFORMATION

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).
Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the MSDS and the bill of lading.

US DOT: NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

IMO / IMDG: NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

IATA: NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

ADR: NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

RID or ADN: NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

15. REGULATION INFORMATION

NATIONAL LEGISLATION

SARA 311/312 HAZARDS Fire Hazard
CERCLA REPORTABLE QUANTITY: This material does not contain any components with a CERCLA RQ.
SARA 302 REPORTABLE QUANTITY: This material does not contain any components with a SARA 302 RQ.
SARA 302 THRESHOLD PLANNING QUANTITY: No chemicals in this material are subject to the eporting requirements of SARA Title III, Section 302.
SARA 304 REPORTABLE QUANTITY: This material does not contain any components with a section 304 EHS RQ.
SARA 313 INGREDIENTS: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

15. REGULATION INFORMATION (con'td)

CLEAN AIR ACT

OZONE DEPLETION POTENTIAL: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

- This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).
- This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
- This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

US REGULATIONS

PENNSYLVANIA RIGHT TO KNOW: No components are subject to the Pennsylvania Right to Know Act.

NEW JERSEY RIGHT TO KNOW: No components are subject to the New Jersey Right to Know Act.

CALIFORNIA PROP. 65 INGREDIENTS: This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

NOTIFICATION STATUS

EUROPE REACH: A substance or substances in this product is not egistered or notified to be registered. Importation or manufacture of this product is still permitted provided that it does not exceed the REACH minimum threshold quantity of the non-regulated substances.

USA TSCA: On TSCA Inventory

CANADA DSL: All components of this product are on the Canadian DSL

AUSTRALIA AICS: On the inventory, or in compliance with the inventory

NEW ZEALAND NZIoC: On the inventory, or in compliance with the inventory

JAPAN ENCS: On the inventory, or in compliance with the inventory

KOREA KECI: Not in compliance with the inventory

PHILIPPINES PICCS: Not in compliance with the inventory

CHINA IECSC: On the inventory, or in compliance with the inventory

16. OTHER INFORMATION

NFPA CLASSIFICATION: Health Hazard: 1
Fire Hazard: 1
Reactivity Hazard: 0

FURTHER INFORMATION

LEGACY MSDS NUMBER: CPC00496

The information in this MSDS pertains only to the product as shipped. The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

ON TOP OF YOUR NEEDS
MOUNTAIN SUPPLY & SERVICE

SAFETY DATA SHEET
GEL 1500

KEY OR LEGEND TO ABBREVIATIONS AND ACRONYMS USED IN THE SAFETY DATA SHEET

ACGIH	American Conference of Government Industrial Hygienists	**LOAEL**	Lowest Observed Adverse Effect Level
AICS	Australia, Inventory of Chemical Substances	**NFPA**	National Fire Protection Agency
DSL	Canada, Domestic Substances List	**NIOSH**	National Institute for Occupational Safety & Health
NDSL	Canada, Non- Domestic Substances List	**NTP**	National Toxicology Program
CNS	Central Nervous System	**NZIoC**	New Zealand Inventory of Chemicals
CAS	Chemical Abstract Service	**NOAEL**	No Observable Adverse Effect Level
EC50	Effective Concentration	**NOEC**	No Observed Effect Concentration
EC50	Effective Concentration 50%	**OSHA**	Occupational Safety & Health Administration
EINECS	European Inventory of Existing Chemical Substances	**PEL**	Permissible Exposure Limit
MAK	Germany Maximum Concentration Values	**PICCS**	Philippines Inventory of Commercial Chemical Substances

GHS	Globally Harmonized System	**PRNT**	Presumed Not Toxic
>=	Greater Than or Equal To	**RCRA**	Resource Conservation Recovery Act
IC50	Inhibition Concentration 50%	**STEL**	Short- Term Exposure Limit
IARC	International Agency for Research on Cancer	**SARA**	Superfund Amendments and Reauthorization Act
IECSC	Inventory of Existing Chemical Substances in China	**TLV**	Threshold Limit Value
ENCS	Japan, Inventory of Existing and New Chemical Substances	**TWA**	Time Weighted Average
KECI	Korea, Existing Chemical Inventory	**TSCA**	Toxic Substance Control Act
<=	Less Than or Equal To	**UVCB**	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
LC50	Lethal Concentration 50%	**WHMIS**	Workplace Hazardous Materials Information System
LD50	Lethal Dose 50%		

Mountain Supply and Service, LLC. • PO Box 3111 • Longview, TX 75606
ph. 888.547.1149 • office ph. 903.753.2400 • fax 480.287.9975