



Z-NITE LIQUID

SECTION I – CHEMICAL PRODUCT/CHEMICAL IDENTIFICATION

Product Name: Z-NITE LIQUID
Manufacturer: Horizon Mud Company
500 West Wall, Suite 280
Midland, Texas 79702
(432) 687-1171
Chemical Family: Slurry
Product Use: Use only as additive, penetration agent, lubricant and fluid loss additive in drilling fluids

Emergency Telephone Number:

CHEMTREC: 1-800-424-9300 or International +1-703-527-3887

SECTION II – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: CAUTION: May be hazardous if inhaled, ingested or absorbed through the skin.

EYES: Liquid or mist causes irritation, possible damage.

SKIN: May cause irritation possibly severe. Not a primary skin irritant.

INGESTION: Harmful if swallowed. May cause irritation of gastrointestinal tract. If swallowed, aspiration into lungs may result in chemical pneumonitis and severe pulmonary injury.

INHALATION: May cause irritation of the nose and throat with headache. Breathing high concentrations may cause nausea, vomiting, headache, dizziness and irregular eye movements.

CHRONIC EFFECTS: Prolonged and repeated contact with skin can cause defatting and drying of the skin, resulting in skin irritation and dermatitis. Prolonged exposure to high vapour concentration can cause headache, dizziness, nausea, blurred vision and central nervous system depression.

SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

| Components: | % | CAS# |
|---------------------|-------|---------|
| Polyglycol | 30-60 | Mixture |
| Uintahite/Gilsocol™ | 30-60 | Mixture |
| Silicate | 1-5 | Mixture |
| Solvent | 1-10 | Mixture |

SECTION IV – FIRST AID MEASURES

Eyes: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Seek medical attention.

Skin (Dermal): If the chemical touches the victims exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used

Ingestion: Do NOT induce vomiting. Loosen tight clothing such as a collar, tie, belt or waist band. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Inhalation: Remove to fresh air.

SECTION V – FIRE FIGHTING MEASURES

Flash Point: > 93°C

Extinguish Media: Water fog, carbon dioxide, dry chemical, and foam. For large scale fires, alcohol resistant foams are preferred if available. General purpose synthetic foams or protein foams may function, but much less effectively. Water may be used to flush spills away from fire exposures and to dilute spills to non-flammable mixtures. If possible, contain for water run-off. For large scale fires, direct water stream may cause violent frothing, but fine water spray may help control situation.

Fire & Explosion Hazard: Combustion may produce carbon dioxide and carbon monoxide. Unidentified organic compounds may be formed during combustion which may present a greater hazard. Other flammability information: Fire water run-off may be toxic.

Special: Wear positive-pressure self-contained breathing apparatus and full protective equipment.

SECTION VI – RELEASE MEASURES

Spill or Leak Procedures: Dilute with water and mop up, or absorb with an inert DRY material and place in an appropriate waste disposal container.

SECTION VII – HANDLING AND STORAGE

Handling & Storage: Materials not considered hazardous as handled in most industrial operations. Exercise reasonable care and cleanliness. Avoid skin and eye contact. Avoid breathing vapors if generated. Keep container dry. Keep in a cool place.

SECTION VIII – PERSONAL PROTECTION / EXPOSURE CONTROL

Respiratory Protection: Not normally required

Protective Clothing / Equipment: Wear impervious gloves; Use goggles or face shield if splashing is likely; Local Exhaust

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor: Black Liquid Dispersion/No odor

Vapor Density (Air=1): Typical > 93 °C (ASTM D-93, PMCC) 200 °F

Pour point (F): Not Determined

Solubility in H₂O: Partly

Specific Gravity (H₂O=1): 1.04

Wt/gallon: 8.65 lbs per gallon

pH: Near Neutral

SECTION X – STABILITY AND REACTIVITY

Chemical Stability: Stable

Incompatibilities: N/A

Hazardous Decomposition: N/A

Conditions to Avoid:

N/A

SECTION XI – TOXICOLOGICAL INFORMATION

Acute Health Hazard

ACUTE INGESTION: The oral LD50 for rats is between 1000-2000 mg/kg.
SKIN ABSORPTION: The LD50 for skin absorption in rabbits is >2000 mg/kg.
MUTAGENICITY (EFFECTS ON GENETIC MATERIAL): For diethyltoluenediamine, in vitro mutagenicity studies were negative in some cases and positive in other cases. Animal mutagenicity studies were negative.

SECTION XII – ECOLOGICAL INFORMATION

Based on testing of similar materials:

No data is specifically available for this product

SECTION XIII – DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION XIV – TRANSPORTATION INFORMATION

| | |
|----------------------|---------------|
| DOT Shipping Name: | Not regulated |
| Hazard Class: | Not Regulated |
| UN Number: | Not regulated |
| Packaging Group: | Not regulated |
| Reportable Quantity: | Not regulated |
| Technical Name: | Not regulated |
| Packaging Size: | Not regulated |

SECTION XV – REGULATORY INFORMATION

This product has been classed in accordance with the hazard criteria of the Controlled Products Regulations.

| | |
|------------------|------|
| SECTION 311/312: | None |
| SECTION 302 EHS: | None |
| SECTION 313: | None |
| CERCLA RQ VALUE: | None |

SECTION XVI – OTHER INFORMATION

| | |
|--------------------|---|
| TSCA Status: | This product has been classed in accordance with the hazard criteria of the Controlled Products Regulations. |
| NFPA Health: | 1 |
| NFPA Flammability: | 0 |
| NFPA Reactivity: | 0 |
| Disclaimer: | The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable Federal, State and local law and regulations. |

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