



Safety Data Sheet

Z-Blue Dye

Prepared according to 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD)
Other substances not deemed "Hazardous" per this SDS might be listed

SECTION 1 – CHEMICAL PRODUCT and MANUFACTURER

Product Trade Name: BLUE Dye
Other means of ID: ready BLUE
Intended use of this product: Oil Field Drilling Fluid
Company Name: Horizon Mud Company
Company Address: 500 West Wall Street Suite 280
Company City, St, Zip: Midland, Tx 79702
Company Phone: (432)687-1171
Emergency Contact Info: (432)687-1171

SECTION 2– HAZARDS IDENTIFICATION

GHS Classification of Mixture Irritant (Skin and Eye)

GHS Labeling



Hazard Pictograms

Signal Word: **WARNING !**

Hazard Statement

H303– May be harmful if swallowed
H320– Causes eye irritation
H335– May cause respiratory irritation

Safety Statements:

P260–Do not breath dust/fume/gas/mist/vapors/spray
P262–Do not get in eyes, on skin, or on clothing
P280–Wear protective gloves/protective clothing/face protection
P301+P331+P315–If swallowed, do not induce vomiting, seek medical advice Immediately and show this container label.
P305+P338–If in eyes, remove contact lenses if present and easy to do rinse.
P501–Dispose of contents/container to an approved waste disposal plant

Carcinogenicity:

IARC

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

NTP

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

ACGIH

No ingredients of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGI

HMIS Ratings: **Health Hazard: 1** **Flammability: 0** **Reactivity: 0**



SECTION 3- COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Formula: ready Blue
Hazard(s): Not Hazardous
Stability: Stable
Incompatibility: Proprietary
Hazardous Decomposition Products: Proprietary
Hazardous Polymerizations: Will not occur

Components / CAS-NO / Weights are all proprietary

SECTION 4- FIRST AID MEASURES

Eye Contact:

Rinse immediately with plenty of water for at least 15 minutes. Seek immediate medical attention.

Skin Contact:

Remove all contaminated clothing. Wash affected area with soap and water for at least 20 minutes. Seek immediate medical attention if irritation develops or persists. Completely decontaminate clothing, shoes, and leather goods before reuse.

Ingestion:

Rinse mouth. Give plenty of water to drink. Do NOT induce vomiting and GET MEDICAL ATTENTION IMMEDIATELY. Never give anything by mouth to a victim who is unconscious or having convulsions.

Inhalation:

After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR).

SECTION 5- FIRE FIGHTING MEASURES

Fire & Explosion Preventative Measures:

NO open flames. Above flash point, use a closed system, ventilation, explosion-proof electrical equipment, and lighting.

Extinguishing Media:

Use dry powder, AFFF, carbon dioxide.

Fire Fighting Procedures:

Water spray may be ineffective on fire but can protect fire fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

Unusual Explosion and Fire Procedures: SLIGHTLY COMBUSTIBLE!

Isolate from oxidizers, heat & open flame. Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions. Continue all label precautions!

SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal Protective Measures:

Keep unprotected personnel away. Use complete chemical protective suit with self-contained breathing apparatus.

Environmental Precautions:

Do NOT let this chemical enter the environment. Keep from entering storm sewers and ditches that lead to waterways.

Containment and clean-up measures:

Stop spill at source. Dike and contain. Sweep spilled material into dry sealable containers. Wash away remainder with plenty of water.

SECTION 7- HANDLING AND STORAGE

Handling Procedures:

Isolate from oxidizers, heat, and open flame. Use only with adequate ventilation. Avoid breathing of vapor or spray mist. Avoid prolonged or repeated contact with skin. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Continue all label precautions! When dissolving or diluting, always add it slowly to the water.. Use an inlet line diameter of at least 3.5 inches (8.9 centimeters) with a maximum flow rate of 1 meter/second.



Storage Procedures: Keep separated from strong oxidants, strong acids, metals, food & feedstuffs. Keep dry Keep container tightly closed and upright when not in use to prevent leakage.

SECTION 8- EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory Exposure: A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

Ventilation: Local Exhaust: Necessary Mechanical (General): Acceptable
Special: None Other: None
Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition for details.

Personal Protections: Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse.

Work & Hygienic Practices: Provide readily accessible eye wash stations and safety showers. Wash at end of each work shift and before eating, smoking or using the toilet. Promptly remove clothing that becomes contaminated. Destroy contaminated leather articles. Launder or discard contaminated clothing.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue
Odor:	None
Odor Threshold:	Not Available
pH (Neutrality):	Not Applicable
Melting point/Freezing point:	Not Applicable
Boiling Range (IBP, 50%, Dry Point):	Not Applicable
Flash Point (Test Method):	>93° C / >200° F
Evaporation Rate (n-BUTYL ACETATE=1):	Not Applicable
Flammability Classification:	Not Applicable
Lower Flammable Limit In Air (% by vol):	Not Applicable
Upper Flammable Limit In Air (% by vol):	Not Available
Vapor Pressure (mm of Hg) @ 20°C:	Not Applicable
Vapor Density (air=1):	8.6
Gravity @ 68/68°F / 20/20°C:	
Specific Gravity (water=1):	1.03-1.06
Water Solubility:	Complete
Partition Coefficient (n-Octane/Water):	Not Available
Auto Ignition Temp:	Not Applicable
Decomposition Temp:	Not Available

SECTION 10- STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions.
CONDITIONS TO AVOID:	Isolate from heat and open flame.
MATERIALS TO AVOID:	Isolate from oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon Monoxide, Carbon Dioxide from burning.
HAZARDOUS POLYMERIZATION:	Will not occur.

SECTION 11- TOXICOLOGICAL INFORMATION

ACUTE HAZARDS

Eye & Skin Contact: Primary irritation to skin, defatting, dermatitis. Primary irritation to eyes, redness, tearing, blurred vision.
Inhalation:



Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. The applicable occupational exposure limit value should not be exceeded during any part of the working exposure.

Swallowing:

Harmful or fatal if swallowed. Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea. The symptoms of chemical pneumonitis may not show up for a few days.

SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

Conditions Aggravated:

Persons with severe skin, liver or kidney problems should avoid use.

CHRONIC HAZARDS

Cancer, Reproductive & Other Chronic Hazards:

This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA, or ACGIH, as of this date, greater or equal to 0.1%.

MAMMALIAN TOXICITY INFORMATION

No mammalian information is available on this product.

SECTION 12- ECOLOGICAL INFORMATION

Aquatic Animal Information:

No aquatic environmental information is available on this product. The substance may be hazardous in the environment. Special attention should be given to water organisms. Environmental effects of the substance have not been investigated adequately.

Mobility In Soil:

Mobility of this material has not been determined.

Degradability:

This product is partially biodegradable.

Accumulation:

Bioaccumulation of this product has not been determined.

SECTION 13- DISPOSAL CONSIDERATIONS

Processing, use or contamination may change the waste management options. Recycle/dispose of observing national, regional, state, provincial and local health, safety and pollution laws. If in doubt, contact appropriate agencies.

SECTION 14- TRANSPORT INFORMATION

DOT SHIPPING NAME:	None
IATA/ ICAO:	None
IMO/ IMDG:	None
EMERGENCY REPONSE GUIDEBOOK NUMBER:	None

SECTION 15- REGULATORY INFORMATION

EPA Regulation: SARA SECTION 311/312 HAZARDS: None Known

STATE REGULATIONS:

California Proposition 65: This product contains no chemicals known to the State of California to cause cancer and reproductive toxicity.

INTERNATIONAL REGULATIONS:



The components of this product are listed on the chemical inventories of the following countries: Australia (AICS), Canada (DSL, DDSL), China (IECSC), Europe (EINECS, ELINCS), Japan (METI/CSCS, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), and USA (TSCA).

CANADA WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

D2B: Irritating o skin and eyes.

SECTION 16: OTHER INFORMATION

HAZARD RATINGS:

HEALTH (NFPA): 0
HEALTH (HMIS): 0
FLAMMABILITY: 0
REACTIVITY: 0

(Personal Protection Rating to be supplied by user based on use conditions.) This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

EMPLOYEE TRAINING:

See Section 2 for Risk & Safety Statements. Employees should be made aware of all hazards of this material (as stated in this SDS) before handling it.

****NOTICE****

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Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their handling, or use of, or reliance upon information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.