



WYO-BEN, INC.

SAFETY DATA SHEET

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: **KWIK-VIS D™**
Chemical Family: Water soluble polymer mixture
Application: Drilling Fluid Additive

Manufacturer/Supplier: Wyo-Ben, Inc.
1345 Discovery Drive
Billings, MT 59102 USA
Telephone: 800.548.7055
Facsimile: 406.656.0748

Emergency Phone Number: CHEMTREC® 800.424.9300

SECTION 2 — HAZARD IDENTIFICATION

Hazard Classification: None. This product is not classified according to paragraph (d) of 29 CFR 1910.1200 and does not require a hazard warning label.

Hazard Symbol: None

Signal Word: None

Hazard Statements: None

Precautionary Statements: None

Other Hazards: Aqueous solutions or powders that become wet render surfaces extremely slippery.

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Substances: Not applicable; this product is not a substance.

Mixtures: Contains no reportable hazardous substances.

SECTION 4 — FIRST AID MEASURES

If inhaled: Move to fresh air. No hazards which require special first aid measures.

If on skin: Wash thoroughly with soap and water. If irritation develops and persists seek medical attention.

If in eyes: Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention if irritation persists.

If swallowed: Rinse mouth. Do NOT induce vomiting. No hazards which require special first aid measures.

Most Important Symptoms and Effects, Both Acute and Delayed: None

Indication of Any Immediate Medical Attention and Special Treatment Needed: None reasonably foreseeable.

Other Information: Aqueous solutions or powders that become wet render surfaces extremely slippery.

SECTION 5 — FIRE FIGHTING MEASURES

Fire Extinguishing Media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Thermal Decomposition Products:	Oxides of carbon (CO _x) and nitrogen (NO _x). Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.
Unsuitable Extinguishing Media:	None
Special Protective Equipment for Firefighters:	Wear self-contained breathing apparatus (SCBA).
Special Exposure Hazards:	CAUTION! Extremely slippery when wet.
NFPA Rating:	Health = 0, Flammability = 0, Reactivity = 0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures:	Aqueous solutions or powders that become wet render surfaces extremely slippery. Wear appropriate PPE (see Sec. 8). Keep people away from spills and leaks
Environmental Precautionary Measures:	Do not allow product to contaminate drains or surface water systems.
Procedure for Cleaning/Absorption:	Do not flush with water. Depending on volume, pick up with suitable equipment to avoid raising dust and place in suitable, closed containers for disposal. After cleaning, flush away traces with water.

SECTION 7 — HANDLING AND STORAGE

Handling	
General advice:	Aqueous solutions or powders that become wet render surfaces extremely slippery. Use appropriate PPE.
Storage	
General advice:	Store in unopened original containers in a cool and dry place. Avoid wet, damp or humid conditions and temperature extremes. Keep container closed when not in use.
Incompatibilities:	Strong oxidizing agents

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters	
Occupational Exposure Limits:	None
Personal protective equipment	
Respiratory protection:	No personal respiratory protective equipment normally required. Dust safety masks recommended where working powder concentration is more than 10 mg/m ³ .
Hand protection:	Chemical resistant protective gloves
Eye protection:	Safety glasses with side-shields.
Skin/Body protection:	Work clothes protecting arms, legs and body.
General safety and hygiene measures:	Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation.

Environmental Exposure Controls: Do not allow discharge of product into environment. Do not flush into surface water.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Granular solid
Color:	White
Odor:	odorless
pH:	5-9 (0.5% aqueous solution)
Relative Density:	0.6 – 0.9
Boiling Point (°F / °C):	Not applicable
Melting Point / Freezing Point (°F / °C):	302 / 150
Vapor Pressure @ 20 C (mmHg):	Not applicable
Vapor Density (Air=1):	Not applicable
Percent Volatiles:	Not determined
Evaporation Rate (Butyl Acetate=1):	Not applicable
Solubility:	Soluble in water
Partition coefficient:	-2
Flash Point (°F / °C):	Not applicable
Flash Point Method:	Not applicable
Autoignition Temperature (°F / °C):	Not applicable – does not autoignite (based on chemical structure).
Flammability (solid/gas):	No data available
Flammability/Explosive Limits:	Not expected to create explosive atmospheres
Decomposition temperature (°F / °C):	302 / 150
Oxidizing Properties:	Not expected to be oxidizing based on the chemical structure.

SECTION 10 — STABILITY AND REACTIVITY

Reactivity:	None known
Stability Data:	Stable under normal conditions
Hazardous Reactions:	Oxidizing agents may cause exothermic reactions
Conditions to Avoid:	None Known.
Incompatibility (Materials to Avoid):	Incompatible with oxidizing agents.
Hazardous Decomposition Products:	Thermal decomposition may produce oxides of carbon (COx) and nitrogen (NOx). Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

SECTION 11 — TOXICOLOGICAL INFORMATION

Primary Routes of Exposure:	Inhalation of dust. Skin and eye contact.
Acute Toxicity:	No known acute toxicity
Acute Oral Toxicity:	LD50/Rat > 5,000 mg/kg
Acute Dermal Toxicity:	LD50/Rat > 5,000 mg/kg
Acute Inhalation Toxicity:	The product is not expected to be toxic by inhalation.
Skin Corrosion / Irritation:	Not irritating.
Serious eye damage/irritation:	Not irritating.
Primary Irritation Effect:	Non-irritating to skin (OECD Guideline 401) and eyes of rabbits.
Respiratory / Skin Sensitization:	Not sensitizing.
Mutagenicity:	Not mutagenic.
Carcinogenicity:	Not carcinogenic.
Reproductive toxicity:	Not toxic for reproduction.
STOT – Single Exposure:	No known effects.
STOT – Repeated Exposure:	No known effects.
Aspiration Hazard:	No Hazards resulting from the material as supplied.

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicological Information

Acute Fish Toxicity:	LC50/ Danio rerio (Zebra Fish) /96 hours > 100 mg/l (OECD 203)
Acute Invertebrate Toxicity:	EC50/ Daphnia magna (Water Flea)/48 hours > 100 mg/l (OECD 202)
Acute Algae Toxicity:	IC50/ Scenedesmus subspicatus / 72 hours > 100 mg/l (OECD 201)
Chronic Fish Toxicity:	No data available.
Chronic invertebrate Toxicity:	No data available.
Chronic Microorganism Toxicity:	No data available.
Effects on Terrestrial Organisms:	No known effects.
Sediment Toxicology:	No data available.
Persistence/Degradability:	Not readily biodegradable
Hydrolysis:	Does not hydrolyze.
Photolysis:	No data available.
Bioaccumulation:	Does not bioaccumulate.
Mobility in Soil:	No data available.
Other adverse effects:	None known

SECTION 13 — DISPOSAL CONSIDERATIONS

Disposal Method:	Dispose in accordance with federal, state and local regulations. Can be incinerated when in compliance with local regulations.
Contaminated Packaging:	Rinse empty containers with water and use the rinse water to prepare additional working solutions. Container should be punctured to prevent unauthorized reuse and landfilled or incinerated, in compliance with local, state and federal regulations.

SECTION 14 — TRANSPORT INFORMATION

Land Transportation

DOT – Not classified as dangerous

Air Transportation

IATA – Not classified as dangerous.

Sea Transportation

IMDG – Not classified as dangerous.

SECTION 15 — REGULATORY INFORMATION

US Regulations

TSCA Inventory:	All components are either listed on the inventory or are exempt from listing.
EPA SARA (311, 312):	Hazard Class Not applicable, Non-hazardous
EPA RCRA Hazardous Waste:	Not considered a hazardous waste as defined by 40 CFR 261.
California Proposition 65:	WARNING! This product contains a chemical which is known to the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16 — OTHER INFORMATION

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DISCLAIMER

All information presented herein is believed to be accurate; however, it is the user's responsibility to determine in advance of need that the information is current and suitable for their circumstances. No warranty or guarantee, expressed or implied is made by WYO-BEN, INC. as to this information, or as to the safety, toxicity or effect of the use of this product.