



WYO-BEN, INC.

SAFETY DATA SHEET

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: **VC-55™**
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

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: Spills produce extremely slippery surfaces.

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 unless directed to do so by medical personnel. Seek medical attention.

Most Important Symptoms and Effects, Both Acute and Delayed: None under normal use.
Indication of Any Immediate Medical Attention and Special Treatment Needed: None reasonably foreseeable.
Other Information: Spills produce extremely slippery surfaces.

SECTION 5 — FIRE FIGHTING MEASURES

Fire Extinguishing Media:	Use water spray, foam, dry chemical or carbon dioxide
Unsuitable Extinguishing Media:	None
Thermal Decomposition Products:	Oxides of carbon (CO _x) and nitrogen (NO _x).
Special Protective Equipment for Firefighters:	Wear self-contained breathing apparatus (SCBA) for firefighting if necessary.
Special Exposure Hazards:	CAUTION! Spills are extremely slippery.
Other information:	Will not burn until water in product is evaporated.
NFPA Rating:	Health = 0, Flammability = 0, Reactivity = 0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures:	No special precautions required. Spills produce extremely slippery surfaces. 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. Soak up with inert absorbent material. Sweep up absorbent material and place in suitable, closed containers for disposal. After cleaning, flush away traces with water.

SECTION 7 — HANDLING AND STORAGE

Handling General advice:	Spills produce extremely slippery surfaces. Use appropriate PPE.
Storage General advice:	Store in unopened original containers in a cool and dry place. Freezing temperatures with affect physical condition and may damage this material. Keep container closed when not in use.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits:	None
Personal protective equipment	
Respiratory protection:	No personal respiratory protective equipment normally required except in case of aerosol formation.
Hand protection:	Chemical resistant protective gloves
Eye protection:	Safety glasses with side-shields.
Skin/Body protection:	Work clothes protecting arms, legs and body. Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.
General safety and hygiene measures:	Use appropriate exhaust if misting occurs. Natural ventilation is adequate in absence of mists. Handle in accordance with good industrial hygiene and safety practice.
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:	liquid
Color:	Clear to slightly yellow
Odor:	slight
pH:	6-9
Relative Density:	1.0 – 1.4
Boiling Point (°F / °C):	212 / 100
Melting Point / Freezing Point (°F / °C):	< 32 / < 0
Vapor Pressure @ 20 C (mmHg):	2.3 kPa @ 20°C
Vapor Density (Air=1):	Equivalent to water (~0.8 g/l)
Percent Volatiles:	Not determined
Evaporation Rate (Butyl Acetate=1):	Not applicable
Solubility:	Completely miscible in water
Partition coefficient:	~0
Flash Point (°F / °C):	Not applicable. Does not flash.
Flash Point Method:	Not applicable
Autoignition Temperature (°F / °C):	Does not autoignite (based on chemical structure).
Flammability (solid/gas):	Not applicable
Flammability/Explosive Limits:	Not expected to be explosive based on the chemical structure.
Decomposition temperature (°F / °C):	>212 / >100
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:	No dangerous reactions known under conditions of normal use.
Conditions to Avoid:	Protect from frost, heat and sunlight
Incompatibility (Materials to Avoid):	None known.
Hazardous Decomposition Products:	Thermal decomposition may produce oxides of carbon (COx) and nitrogen (NOx).

SECTION 11 — TOXICOLOGICAL INFORMATION

Primary Routes of Exposure:	Skin and eye contact.
Acute Toxicity:	No known acute toxicity
Acute Oral Toxicity:	LD50/Rat > 5,000 mg/kg (Estimated)
Acute Dermal Toxicity:	LD50/Rat > 5,000 mg/kg (Estimated)

Acute Inhalation Toxicity:	Testing by the inhalation route is inappropriate because exposure in humans via inhalation is unlikely because the substance has no vapor pressure and there is practically no exposure to inhalable aerosols.
Skin Corrosion / Irritation:	By analogy with similar products, this product is not expected to be irritating.
Serious eye damage/irritation:	By analogy with similar products, this product is not expected to be irritating.
Respiratory / Skin Sensitization:	By analogy with similar products, this product is not expected to be sensitizing.
Mutagenicity:	By analogy with similar products, this product is not expected to be mutagenic.
Carcinogenicity:	By analogy with similar products, this product is not expected to be carcinogenic.
Reproductive toxicity:	By analogy with similar products, this product is not expected to be 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/ Fish /96 hours > 100 mg/l (Estimated)
Acute Invertebrate Toxicity:	EC50/ Daphnia /48 hours > 100 mg/l (Estimated)
Acute Algae Toxicity:	IC50/ Algae / 72 hours > 100 mg/l (Estimated)
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 is not expected to bioaccumulate.
Mobility in Soil:	No data available.
Other adverse effects:	None known

SECTION 13 — DISPOSAL CONSIDERATIONS

Disposal Method: when in	Dispose in accordance with federal, state and local regulations. Can be landfilled or incinerated compliance with local regulations.
Contaminated Packaging:	Rinse empty containers with water and use rinse water to prepare additional working solutions. Dispose containers 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:	Not listed

SECTION 16 — OTHER INFORMATION

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09/02/2015

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.