



## Z-POLY VIS

### SECTION I – CHEMICAL PRODUCT/CHEMICAL IDENTIFICATION

**Product Name:** Z-POLY VIS  
**Manufacturer:** Horizon Mud Company  
500 West Wall, Suite 280  
Midland, Texas 79702  
(432) 687-1171  
**Chemical Family:** Aninoic polyacrylamide in water  
**Product Use:** Flocculant

**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:** Causes irritation  
**SKIN:** Causes irritation  
**INGESTION:** Causes irritation  
**INHALATION:** Causes irritation  
**CHRONIC EFFECTS:** The acute oral (rat) and acute dermal (rabbit) LD50 values are both > 10 mg/kg. This material caused moderate skin and mild eye irritation when tested in rabbits.

### SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

Components:	%	CAS#
Distillates (petroleum), hydrotreated light	20-25	64742-47-8

### SECTION IV – FIRST AID MEASURES

**Eyes:** Wash immediately and thoroughly with running water, keeping eyelids raised for at least 15 minutes. Following this, protect the eyes with sterile gauze or a clean, dry, handkerchief. OBTAIN MEDICAL EXAMINATION.

**Skin (Dermal):** Immediate take off all contaminated clothing. Area of the body that have or are only even suspected of having come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap. Do not reuse contaminated clothing without laundering. Get medical attention if pain or irritation persists after washing or if signs and symptoms of overexposure appear.

**Ingestion:** Do not induce vomiting. Do not give anything medical to an unconscious person. Check for breathing and heart function. SEEK A MEDICAL EXAMINATION IMMEDIATELY and present this MSDS Sheet to physician.

**Inhalation:** Ventilate the premises. The patient is to be removed immediately from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, OBTAIN MEDICAL ATTENTION.

## SECTION V – FIRE FIGHTING MEASURES

<b>Flash Point:</b>	N/A
<b>Extinguish Media:</b>	CO <sub>2</sub> , Foam, Chemical Powders, according to the materials involved in the fire. Use water to cool the containers exposed to the fire.
<b>Extinguishers not to be used:</b>	Avoid sprayed water to direct contact with the product.
<b>Risks arising from combustion:</b>	Avoid inhaling the fumes and vapors.
<b>Protective Equipment:</b>	Fire-fighters, and others exposed, wear self contained breathing apparatus. Wear full fire fighting protective clothing.

## SECTION VI – RELEASE MEASURES

<b>Measures for personal safety:</b>	Use a mask, gloves, and protective clothing. Where exposure level is not low, wear approved positive pressure, self contained respirator. Where exposure level is low, wear approved respirator suitable for level of exposure. Wear impermeable boots.
<b>Cleaning Methods:</b>	Product may cause a slip hazard. Spilled material should be absorbed onto an inert material and scooped up. Flush spill area with water. Rapidly recover the product. To do so, wear a mask and protective clothing. Stop it from entering into drainage system with sand or earth. Recover the product for re-use if possible, or for elimination. Rinse area with water.

## SECTION VII – HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes skin. Avoid inhalation. Do not eat or drink while working. Follow the industrial hygiene norms.
<b>Storage:</b>	Do not use Iron, copper, or aluminium containers or equipment to avoid product degradation. Store in plastic containers in a well ventilated

## SECTION VIII – PERSONAL PROTECTION / EXPOSURE CONTROL

<b>Precautionary measures</b>	Give adequate ventilation, have respiratory protection available.
<b>Protective Clothing / Equipment:</b>	Wear impervious gloves; Use goggles or face shield if splashing is likely

## SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance / Odor:</b>	Opalescent to white liquid/slightly petroleum
<b>Vapor Density (Air=1):</b>	Similar to water
<b>Flashpoint:</b>	>93 C
<b>Boiling point:</b>	Aqueous phase about 100C; oil phase about 175C
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	N/A
<b>Wt/gallon:</b>	N/A
<b>pH:</b>	6.0 – 8.0

## SECTION X – STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable
<b>Incompatibilities:</b>	Strong Oxidants, strong reducing agents

**Hazardous Decomposition:**

In case of combustion development with Carbon Oxide, Carbon dioxide, Nitroxide, and Ammonia.

**SECTION XI – TOXICOLOGICAL INFORMATION****Acute Health Hazard**

Avoid inhalation because of the presence of petroleum distillates.

**SECTION XII – ECOLOGICAL INFORMATION****Based on testing of similar materials:**

Growth Inhibition (OECD 201)- 72 hours, Green Algae > 100mg/L, IC50

Acute Toxicity, Fresh Water (OECD 203)- 96 hrs, Zebra Fish > 100 mg/L, LC50

Acute Immobilization (OECD 202)- 48 hrs, Water Flea > 100 mg/L, EC50

The polymeric ingredient is not readily biodegradable, but degradable by hydrolysis. The large polymer size is incompatible with transport biological membranes and diffusion; the bio concentration factor is therefore considered to be zero.

**SECTION XIII – DISPOSAL CONSIDERATIONS**

Recover if possible. In doing so, comply with the local and national regulations currently in force.

**SECTION XIV – TRANSPORTATION INFORMATION**

<b>DOT Shipping Name:</b>	Z-Poly Vis
<b>Hazard Class:</b>	Not regulated
<b>UN Number:</b>	N/A
<b>Packing Group:</b>	N/A
<b>Reportable Quantity (RQ):</b>	N/A

**SECTION XV – REGULATORY INFORMATION**

<b>TSCA Status:</b>	This product has been classed in accordance with the hazard criteria of the Controlled Products Regulations.
<b>NFPA Health:</b>	2
<b>NFPA Flammability:</b>	1
<b>NFPA Reactivity:</b>	0

**SECTION XVI – OTHER INFORMATION**

**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.

Horizon makes no warranty of any kind, express or implied, concerning the accuracy of completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. Horizon will not be liable for claims relating to any use of this product.