



# WYO-BEN, INC.

## SAFETY DATA SHEET

### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: **CLEARTREAT® 3121**  
Chemical Family: Water soluble polymer mixture  
Application: Waste Water Treatment

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: 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. Get medical attention if symptoms occur.  
If on skin: Wash thoroughly with soap and water. If irritation develops and persists seek medical attention.  
If in eyes: Rinse affected eyes with plenty of water with eyelids held open. Seek medical attention.  
If swallowed: Rinse mouth. If conscious, give victim plenty of water to drink. Induce vomiting but only if victim is fully conscious.

Most Important Symptoms and Effects, Both Acute and Delayed:

Powder can cause localized skin irritation in folds of the skin or under tight clothing. Contact with dust can cause mechanical irritation or drying of the skin.

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

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

**SECTION 5 — FIRE FIGHTING MEASURES**

Fire Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: None

Thermal Decomposition Products: Hydrogen chloride gas (HCl), Oxides of carbon (CO<sub>x</sub>) and nitrogen (NO<sub>x</sub>). Hydrogen cyanide (hydrocyanic acid) may be produced in the event of combustion in an oxygen deficient atmosphere.

Special Protective Equipment for Firefighters: Wear self-contained breathing apparatus (SCBA) and protective suit.

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: Avoid contact with skin and eyes. Avoid dust formation. Avoid breathing dust.  
Wash hands at breaks and at end of work day.  
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
Engineering Controls:	Use local exhaust if dusting occurs. Natural ventilation is adequate in the absence of dust.
Personal protective equipment	
Respiratory protection:	Dust safety masks recommended where working powder concentration is more than 10 mg/m <sup>3</sup> .
Hand protection:	Chemical resistant protective gloves
Eye protection:	Safety glasses with side-shields. Do not wear contact lenses when using this product.
Skin/Body protection:	Work clothes protecting arms, legs and body. Wear chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.
General safety and hygiene measures:	Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Wash hands at breaks and at end of work day.
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:	2.5 – 4.5 (0.5% aqueous solution)
Relative Density:	0.3 – 0.6
Boiling Point (°F / °C):	Not applicable
Melting Point / Freezing Point (°F / °C):	> 212 / 100
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:	< 0
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):	Not combustible
Flammability/Explosive Limits:	Not expected to create explosive atmospheres
Decomposition temperature (°F / °C):	> 392 / 200
Oxidizing Properties:	Not expected to be oxidizing based on the chemical structure.

## SECTION 10 — STABILITY AND REACTIVITY

Reactivity:	Hazardous polymerization does not occur.
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 hydrogen chloride gas (HCl) and 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:	Testing according to the Draize technique showed the material produces no corneal or iridial effects and only slight transitory conjunctival effects similar to those which all granular materials have on conjunctivae.
Primary Irritation Effect:	Non-irritating to skin (OECD Guideline 401) and eyes of rabbits.
Respiratory / Skin Sensitization:	The results of testing on guinea pigs showed this material to be non-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 10 - 100 mg/l (OECD 203)
Acute Invertebrate Toxicity:	EC50/ Daphnia magna (Water Flea)/48 hours 10 - 100 mg/l (OECD 202)
Acute Algae Toxicity:	Not appropriate due to flocculation characteristics of the product which interfere with the homogeneity of the test medium.
Chronic Fish Toxicity:	No data available.
Chronic invertebrate Toxicity:	No data available.
Chronic Microorganism Toxicity:	EC0/activated sludge / 0.5 hours 1000 mg/l (OECD 209)
Effects on Terrestrial Organisms:	No data available.
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: Not listed.

## 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.