



WYO-BEN, INC.

SAFETY DATA SHEET

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: **WYO-FLOC™**
Chemical Family: Anionic water soluble polymer
Application: Flocculent

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

Emergency Phone Number CHEMTEC® 800.424.9300

SECTION 2 — HAZARD IDENTIFICATION

Classification of Product: No need for classification according to GHS criteria for this product.
Hazard Symbol: None
Signal Word: None
Hazard Overview: ACUTE HEALTH HAZARD
May cause mild eye and skin irritation.

NOTE

Spills result in extremely slippery surfaces.

This product is not combustible in the form in which it is shipped by the manufacturer, but may form a combustible dust through downstream activities (e.g. grinding, pulverizing) that reduce its particle size.

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200

This product does not contain any components classified as hazardous under the referenced regulation.

SECTION 4 — FIRST AID MEASURES

General Advice:	Remove contaminated clothing.
Inhalation:	Remove to fresh air and seek medical attention if difficulty occurs after dust has been inhaled.
Skin:	Wash immediately with plenty of soap and water. Seek medical attention if irritation persists.
Eyes:	Wash affected eyes for at least 15 minutes under running water with eyelids held open and seek medical attention.
Ingestion:	Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labeling (see section 2) and/or in Section 11. Further important symptoms and effects are so far not known.

Note to physician Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5 — FIRE FIGHTING MEASURES

Flash Point/Range (F):	Not applicable – Product is a non-volatile solid.
Flash Point/Range (C):	Not applicable – Product is a non-volatile solid.
Flash Point Method:	Not applicable
Autoignition Temperature (F):	Not applicable – does not ignite.
Autoignition Temperature (C):	Not applicable – does not ignite.
Flammability Limits in Air – Lower (%):	Not highly flammable
Flammability Limits in Air – Upper (%):	Not highly flammable
Lower Explosion Limit:	For solids not relevant for classification and labeling.
Upper Explosion Limit:	For solids not relevant for classification and labeling.
Fire Extinguishing Media:	Suitable: Dry powder, foam Unsuitable for safety reasons: water, CO ₂
Special Exposure Hazards:	Produces carbon and nitrogen oxides CAUTION! Extremely slippery when wet.
Special Protective Equipment for Firefighters:	Wear a self-contained breathing apparatus.
Additional Information:	Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.
NFPA Ratings:	Health 1, Flammability 1, Reactivity 0

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Further accidental release measures:	Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Avoid the formation and build-up of dust - danger of dust explosion. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition. Forms slippery surfaces with water.
Personal Precautionary Measures:	Use personal protective clothing.
Environmental Precautionary Measures:	Do not discharge into drains/surface waters/groundwater.
Procedure for Cleaning/Absorption:	For small amounts: Pick up with suitable appliance and dispose of. For large amounts: Contain with dust binding material and dispose of. Avoid raising dust. Nonsparking tools should be used.

SECTION 7 — HANDLING AND STORAGE

Handling Precautions:	Breathing must be protected when large quantities are decanted without local exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice. Forms slippery surfaces with water. Protection against fire and explosion: Avoid dust formation. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (2013 Edition) for safe handling.
Storage Information:	Store in unopened original containers in a cool and dry place. Avoid wet, damp or humid conditions, temperature extremes and ignition sources.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.
Personal Protective Equipment	
Respiratory Protection:	Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator.
Hand Protection:	Chemical resistant protective gloves.
Body Protection:	light protective clothing
Eye Protection:	Safety glasses with side-shields.
Other Precautions:	Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid beads
Color:	Off-white
Odor:	Odorless
pH:	5-7 (0.5% aqueous solution)
Specific Gravity @ 20 C (Water=1):	Not determined
Density @ 20 C (lbs/ft ³):	Approximately 46.8
Bulk Density @ 20 C (lbs/ft ³):	Approximately 35.2
Boiling Point/Range (F):	Not applicable
Boiling Point/Range (C):	Not applicable

Freezing Point/Range (F):	Not applicable
Freezing Point/Range (C):	Not applicable
Vapor Pressure @ 20 C (mmHg):	Product is a non-volatile solid
Vapor Density (Air=1):	Product is a non-volatile solid
Percent Volatiles:	Product is a non-volatile solid
Evaporation Rate (Butyl Acetate=1):	Product is a non-volatile solid
Solubility in Water (g/100ml):	Limited by viscosity
Solubility in Solvents (g/100ml):	Not determined
VOCs (lbs/gallon):	Product is a non-volatile solid
Viscosity, Dynamic @ 20 C (centipoise):	Not determined
Viscosity, Kinematic @ 20 C (centistrokes):	Not determined
Partition Coefficient/n-Octanol/Water:	Not determined
Molecular Weight (g/mole):	Not determined

SECTION 10 — STABILITY AND REACTIVITY

Reactivity:	No hazardous reactions if stored and handled as prescribed/indicated.
Corrosion to metals:	No corrosive effect on metal.
Oxidizing properties:	Not fire-propagating
Stability Data:	The product is stable if stored and handled as prescribed/indicated.
Hazardous Reactions:	The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions. Stable under normal conditions. No hazardous reactions known.
Conditions to Avoid:	Avoid extreme temperatures. Avoid humidity.
Incompatibility (Materials to Avoid):	Strong acids, strong bases, strong oxidizing agents.
Hazardous Decomposition Products:	No hazardous decomposition products if stored and handled as prescribed/indicated.
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.

SECTION 11 — TOXICOLOGICAL INFORMATION

Principle Routes of Exposure:	Routes of entry for solids are ingestion and inhalation, but may include eye or skin contact.
<u>Acute Toxicity/Effects</u> skin contact.	
Acute Toxicity:	No known acute effects.
Toxicity Tests	
Oral Toxicity:	LD50/Rat/> 2000 mg/kg (OECD Guideline 401)
Irritation / corrosion:	Not irritating to eyes and skin.
Skin Irritation:	Rabbit testing – non-irritant (OECD Guideline 404)

Eye Irritation:	Rabbit testing – non-irritant
Sensitization:	Based on the ingredients, there is no suspicion of a skin-sensitizing potential.
Aspiration Hazard:	No aspiration hazard expected.
<u>Chronic Toxicity/Effects</u>	Prolonged contact may cause defatting of the skin and produce dermatitis.
Repeated dose toxicity:	Assessment of repeated dose toxicity: Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses. The product has not been tested. The statement has been derived from the properties of the individual components.
Genotoxicity:	Based on the ingredients, there is no suspicion of a mutagenic effect.
Carcinogenicity:	Based on the ingredients there is no suspicion of a carcinogenic effect in humans.
Reproductive/Developmental Toxicity:	Based on the ingredients, there is no suspicion of a toxic effect on reproduction.
Teratogenicity:	No teratogenic effects reported.
Other Information:	The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

Symptoms of Exposure

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

SECTION 12 — ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air):	Information on Anionic polyacrylamide: Adsorption to solid soil phase is expected.
Persistence/Degradability:	Information on: Anionic polyacrylamide: Not readily biodegradable (by OECD criteria).
Bio-accumulation:	Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.
Ecotoxicological Information	
Acute Fish Toxicity:	LC50/ Oncorhynchus mykiss (Rainbow Trout) /96 hours > 100 mg/l (static).
Acute Daphnia Toxicity:	LC50/Daphnia magna (Water Flea)/48 hours > 100 mg/l
Other Information:	The product has not been tested. The statements on ecotoxicology have been derived from products of a similar structure and composition.

SECTION 13 — DISPOSAL CONSIDERATIONS

Disposal Method:	Dispose of in accordance with federal, state and local regulations.
Contaminated Packaging:	Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

SECTION 14 — TRANSPORT INFORMATION

Land Transportation

DOT/TDG – Not classified as a dangerous goods under transport regulations

Air Transportation

ICAO/IATA – Not classified as a dangerous goods under transport regulations

Sea Transportation

IMDG – Not classified as a dangerous goods under transport regulations

SECTION 15 — REGULATORY INFORMATION

US Regulations

US TSCA Inventory All components are either listed on the inventory or are exempt from listing. EPA SARA Title

III Extremely
Hazardous Substances Not applicable, non-hazardous

EPA SARA (311, 312)
Hazard Class Not applicable, Non-hazardous

EPA RCRA Hazardous Waste Not a hazardous waste under RCRA (40 CFR 261). Classification

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.

Canadian Regulations

Canadian DSL Inventory All components are either listed on the inventory or are exempt from listing.

WHMIS Hazard Class Not applicable, Non-hazardous

SECTION 16 — OTHER INFORMATION

Prepared: 5/14/2015 Last Revision: 6/8/2015

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.