



SAFETY DATA SHEET

Polyan

MSDS DATE: *revised 2/13/2015*

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: Polyan

PRODUCT USE: Agriculture, forestry, fishery
Adjuvants, Surface active agents
Industrial spraying
Wide dispersive outdoor use of processing aids in open systems

SUPPLIER DETAILS: Name: Brewer International, Incorporated
Address: PO Box 690037
Vero Beach, FL 32969
Phone: (800) 228-1833
Fax: (772) 778-2490

EMERGENCY PHONE: Chem Tel (800) 255-3924 available 24 hours

SECTION 2: HAZARDS IDENTIFICATION

OSHA REGULATORY STATUS: This product is considered not hazardous under 29 CFR 1910.1200

EMERGENCY OVERVIEW

ROUTES OF ENTRY: Eye Contact, Skin Contact, Inhalation, Ingestion

HEALTH EFFECTS

Eyes: May cause eye irritation.

Skin: No harmful effects expected.

Inhalation: No harmful effects expected in amounts likely to be inhaled by accident.

Ingestion: No harmful effects expected in amounts likely to be ingested by accident.

Chronic: No harm from prolonged or repeated exposure expected.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Nonionic Polymer Emulsion

CAS #	WT%
Not Applicable	100

SECTION 4: FIRST AID MEASURES

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical attention.

IF SWALLOWED: Rinse mouth. Call a doctor if you feel unwell.



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IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.

SECTION 5: FIRE-FIGHTING MEASURES

FLASH POINT:

F: does not flash

C: does not flash

SUITABLE EXTINGUISHING MEDIA: Water, Dry chemicals, foam, carbon dioxide, water spray or fog.

UNSUITABLE EXTINGUISHING MEDIA: None

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: None

SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS: Evacuate the area promptly. Observe all precautions that apply to any fire where chemicals are stored. Wear suitable protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Keep unnecessary personnel away. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS: Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers ditches and waterways.

METHODS FOR CONTAINMENT: Stop the flow of the material and dike spill area.

METHODS FOR CLEANING UP: Do not flush with water. Dam up. Soak up with inert absorbent material. If liquid has been spilled in large quantities, clean up promptly by scoop or vacuum. Keep in suitable closed containers for disposal. For waste disposal, see section 13 of this MSDS.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wash hands after handling. **DO NOT** breathe mist, vapors or spray. Use only out doors or in a well-ventilated area. **DO NOT** get in eyes, on skin or on clothing. Avoid prolonged and repeated contact. **DO NOT** swallow. Eating, drinking and smoking in work areas is prohibited.

STORAGE: Store in a well-ventilated place with proper sprinkler/fire deterrent system. Freezing will affect the physical condition and may damage the material.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT(S)	EXPOSURE LIMITS
Nonionic Polymer Emulsion	OSHA PEL: Not Established ACGIH TWA: Not Established ACGIH STEL: Not Established

PEL= Permissible Exposure Limits
TWA= Time Weighted Average
STEL= Short term Exposure Limit

ACGIH= American Conference of Governmental Industrial Hygienists
OSHA= Occupational Safety and Health Administration



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ENGINEERING CONTROLS: Use local exhaust when misting occurs. Natural ventilation is adequate in absence of mists. Keep away from sparks and flames.

RESPIRATORY PROTECTION: No personal respiratory protective equipment normally required. An approved respirator should be worn if proper ventilation is not maintained.

EYE PROTECTION: If material could be misted or splashed into eyes, wear safety glasses with side shields (or goggles). Eye wash fountain should be available.

SKIN PROTECTION: Impervious gloves are recommended.

WORK HYGIENIC PRACTICES: When using, do not eat, drink or smoke. Do not get in eyes. Do not get this material in contact with skin. Wash hands and face before breaks and immediately after handling the product. Launder contaminated clothing before reuse. Have eye wash and emergency shower facilities immediately available. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White ranging to clear

ODOR: Low chemical odor

ODOR THRESHOLD: No data available

PHYSICAL STATE: Liquid

pH: 6–8 @ 5 g/l

FREEZING POINT: No data available

BOILING POINT: No data available

FLASH POINT: does not flash

EVAPORATION RATE (N-Butyl Acetate = 1): No data available

FLAMABILITY (SOLID, GAS): No data available

UPPER/LOWER FLAMMABILITY: No data available

VAPOR PRESSURE (mmHg): 0.002
@ 68°F (20.0°C)

VAPOR DENSITY (AIR = 1): No data available

SPECIFIC GRAVITY (H₂O = 1): No data available
@ 68°F (20.0°C)

SOLUBILITY IN WATER: Yes

PARTITION COEFFICIENT (N-Octanol/Water): No data available

AUTO-IGNITION TEMPERATURE: No data available

DECOMPOSITION TEMPERATURE: No data available

VISCOSITY: No data available



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SECTION 10: STABILITY AND REACTIVITY

REACTIVITY/POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous polymerization does not occur. Prevent oxidation by avoiding long-term exposure to air.

CHEMICAL STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: Keep away from heat, sparks, static discharge or flames.

INCOMPATIBLE MATERIALS: Strong acids and bases, including acidic clays; alkali metals; halogens; peroxides; vinyl chloride; and iodine pentafluoride.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: carbon oxides, nitrogen oxides

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Product ingredients have been shown to have a low oral toxicity ($LD_{50} > 5$ g/kg) when tested on rats.

SKIN CORROSION/IRRITATION: May cause mild skin irritation.

EYE DAMAGE/IRRITATION: May causes eye irritation.

RESPIRATORY OR SKIN SENSITIZATION: The product is not expected to be sensitizing.

GERM CELL MUTAGENICITY: No data available

CARCINOGENICITY: No components present in excess of 0.1% by weight listed as carcinogens by OSHA, NTP, IARC or ACGIH.

REPRODUCTIVE TOXICITY: No data available

SPECIFIC TARGET ORGAN TOXICITY

SINGLE EXPOSURE: None expected

REPEATED EXPOSURE: None expected

ASPIRATION HAZARD: No data available

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY

Fish: $LC_{50} > 100$ mg/L, Danio rerio/96 hr

Algae: $IC_{50} > 100$ mg/L, Scenedesmus subspicatus/72 hr

Daphnia: $EC_{50} > 100$ mg/L, Daphnia magna/48 hr

PERSISTENCE AND DEGRADABILITY: Not readily biodegradable (40% after 28 days).

BIOACCUMULATIVE POTENTIAL: This product is not expected to bioaccumulate.

MOBILITY IN SOIL: No data available

OTHER ADVERSE EFFECTS: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.



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SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Incinerate or dispose of in accordance with Local, State, and Federal Regulations. Commercially clean containers prior to disposal. Oil soaked rags should be disposed of properly to prevent spontaneous combustion. Do not allow this material to drain into sewers/water supplies. For the safety of persons conducting disposal, please refer to the information in section 8.

SECTION 14: TRANSPORT INFORMATION

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

TDG

Not regulated

ENVIRONMENTAL HAZARDS: The product is not a known marine pollutant as defined by 49 CFR part 171.8 or TDG regulations.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: This product is not a Hazardous Chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List or exempt under 40 CFR 720.30.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT) reportable substances:

not regulated

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

HAZARD CATEGORIES

IMMEDIATE HAZARD: No

DELAYED HAZARD: No

FIRE HAZARD: No

PRESSURE HAZARD: No

REACTIVE HAZARD: No

313 REPORTABLE INGREDIENTS: No

302 EXTREMELY HAZARDOUS SUBSTANCE: No

CALIFORNIA PROPOSITION 65: *The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986.* This product may contain trace amounts of chemical(s) known to the State of California to cause cancer: residual acrylamide.



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SECTION 16: OTHER INFORMATION

NFPA RATINGS

HEALTH: 1

FIRE: 0

REACTIVITY: 0

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