

Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name: CLARIFLOC N-6310 POLYMER

Company: POLYDYNE INC.
Riceboro, GA 31323
PO Box 279
United States

Telephone: 1-800-848-7659

Telefax: (912)-884-8770

E-mail:

Emergency telephone number: 1-800-424-9300

Product Use: Processing aid for industrial applications

2. HAZARDS IDENTIFICATION

Appearance and Odor

Form: Viscous liquid

Odor: Aliphatic

Potential Physical/Chemical Effects: Spills produce extremely slippery surfaces.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Identification: Non-ionic water-soluble polymer in emulsion.

Regulated Components: None.

4. FIRST AID MEASURES

Inhalation: Move to fresh air.

Skin contact: Wash off immediately with soap and plenty of water. In case of persistent skin irritation, consult a physician.

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. In case of persistent eye irritation, consult a physician.

Ingestion: Rinse mouth. Do not induce vomiting without medical advice. If vomiting occurs, keep head low to prevent stomach content entering the lungs.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water. Water spray. Foam. Dry powder. Carbon dioxide (CO₂).

Precautions: Spills produce extremely slippery surfaces.

Special protective equipment for firefighters: No special protective equipment required.

Flash point (°C): Does not flash.

Autoignition temperature (°C): Does not ignite.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: No special precautions required.

Environmental precautions: Do not contaminate water.

Methods for cleaning up: Dam up. Do not flush with water. Soak up with inert absorbent material. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. When preparing the working solution ensure there is adequate ventilation. When using do not smoke.

Storage: Keep in a dry cool place (0 - 30 °C). Freezing will affect the physical condition and may damage the material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

Personal protective equipment:

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection: PVC or other plastic material gloves.

Eye protection: Do not wear contact lenses where this product is used. Safety glasses with side-shields.

Skin and body protection: Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.

Hygiene measures: Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Viscous liquid

Odor: Aliphatic

pH: 7.0 ± 1.0 @ 5 g/l

Melting point/range (°C): Not applicable

Flash point (°C): Does not flash

Autoignition temperature (°C): Does not ignite

Approx. bulk density: 1.05

Bulk viscosity (cps): 1200

Kinematic viscosity @ 40°C (mm²/s): >> 20.5

10. STABILITY AND REACTIVITY

Stability: Stable. Hazardous polymerisation does not occur.

Materials to avoid: Oxidizing agents may cause exothermic reactions.

Hazardous decomposition products: Thermal decomposition may produce: nitrogen oxides (NO_x), carbon oxides (CO_x).

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral: LD₅₀/oral/rat > 5000 mg/kg.

Skin: The product is not expected to be toxic in contact with the skin.

Inhalation: The product is not expected to be toxic by inhalation.

Irritation:

Skin: Not irritating.

Eyes: Not irritating.

Sensitization: Not sensitizing.

Chronic toxicity: No chronic effects.

12. ECOLOGICAL INFORMATION

Aquatic toxicity:

Toxicity to fish: LC₅₀/Fish/96 hours > 100 mg/L (OECD 203).

Toxicity to daphnia: EC₅₀/Daphnia magna (Water flea)/48 hours > 100 mg/L (OECD 202).

Toxicity to algae: IC₅₀/Scenedesmus subspicatus (Green algae)/72 hours > 100 mg/L (OECD 201).

Environmental fate:

Persistence and degradability: Not readily biodegradable.

Hydrolysis: Does not hydrolyse.

13. DISPOSAL CONSIDERATIONS

Disposal: In accordance with local, state and federal regulations.

Container: Rinse empty containers with water and use the rinse water to prepare the working solution. Can be landfilled or incinerated, when in compliance with local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT: Not classified as dangerous in the meaning of DOT regulations

IMDG/IMO: Not classified as dangerous in the meaning of IMDG/IMO regulations.

ICAO/IATA: Not classified as dangerous in the meaning of ICAO/IATA regulations.

15. REGULATORY INFORMATION

US SARA Reporting Requirements:

SARA Title III Sections

SARA (Section 311/312) hazard class: Not concerned.

RCRA status : Not RCRA hazardous.

California Proposition 65 Information : The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986. This product contains the following substance (s) known to the State of California to cause cancer : Acrylamide.

International Inventories:

USA (TSCA): All components of this product are either listed on the inventory or are exempt from listing.

Canada (DSL): All components of this product are either listed on the inventory or are exempt from listing.

16. OTHER INFORMATION

NFPA and HMIS Ratings :

NFPA:



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Health: 1
Flammability: 1
Instability: 0

HMIS:

Health: 1
Flammability: 1
Physical Hazard: 0

This MSDS was prepared in accordance with the following:

ISO 11014-1: Material Safety Data Sheet for Chemical Products
ANSI Z400.1-2004; Material Safety Data Sheets - Preparation

The data in this Material Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained. This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.