



บริษัท พลวัต อินเตอร์เคม จำกัด

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MATERIAL SAFETY DATA SHEET

Section 1. PRODUCT IDENTIFICATION

PRODUCT NAME: WATERFLOC® WF-4000 Series
MSDS. NO. P11-012
CHEMICAL DESCRIPTION: Dry Anionic Polymer
PRODUCT CLASS: Water Treatment

Section 2. HAZARDOUS INGREDIENTS AND EXPOSURE LIMITS

Chemical Name	CAS Number	OSHA PEL	ACGIH TLV
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No ingredients listed in this section

Section 3. HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW *****

This product poses little or no immediate hazard.

PRIMARY ROUTES OF ENTRY: Eye contact, inhalation

TARGET ORGANS: None

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: This product is expected to cause eye irritation due to mechanical action.

SKIN CONTACT: The product is not expected to cause skin irritation upon contact. Data indicate that this product will not produce an allergic skin reaction or be absorbed through the skin in harmful amounts.

INGESTION: This product would be expected to be practically non-toxic by ingestion. Swallowing this product may cause discomfort or gastrointestinal disturbance. Negligible amounts of polymer, if any, are expected to pass through the walls of the GI tract.

INHALATION: As with any particulate matter, inhalation of dust of this product may cause upper respiratory irritation due to mechanical action.

MATERIAL SAFETY DATA SHEET**Section 7. HANDLING AND STORAGE**

HANDLING: As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the product and ensure prompt removal from eyes, skin and clothing.

Avoid breathing dust.

Use with adequate ventilation.

Wash thoroughly after handling. Keep container closed when not in use.

STORAGE: No specific information.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**PERSONAL PROTECTIVE EQUIPMENT:**

EYE / FACE PROTECTION: Chemical splash goggles recommended as a good industrial hygiene practice.

SKIN PROTECTION: No special requirement.

RESPIRATORY PROTECTION: If dusty conditions are encountered, wear a NIOSH approved dust respirator.

ENGINEERING CONTROLS:

Local exhaust recommended if handling procedure is generating high dust concentrations.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: White granular powder

% VOLATILE BY WEIGHT: Negligible

pH: Not applicable

VAPOR DENSITY (air = 1): Not applicable

SPECIFIC GRAVITY: 1.00 - 1.20

VAPOR PRESSURE: Very low

SOLUBILITY IN WATER: Complete

FREEZING POINT: Not available

BOILING POINT: Available

Section 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: No specific information.

INCOMPATIBILITY: Strong oxidizers

DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, oxides of nitrogen.

Section 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: No specific information.

INCOMPATIBILITY: Strong oxidizers.

DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon monoxide, carbon dioxide, and nitrogen oxides.

MATERIAL SAFETY DATA SHEET**Section 11. TOXICOLOGICAL INFORMATION****ON PRODUCT:**Oral LD₅₀ (rat): 2,800 mg/kg**ON INGREDIENTS:**

Chemical Name	Oral LD ₅₀ (rat)	Dermal LD ₅₀ (rabbit)
No ingredients listed in this section		

Section 12. ECOLOGICAL INFORMATION**ON PRODUCT :**

No information entered at this time.

ON INGREDIENTS:

Chemical Name	Aquatic Toxicity Data
* No ingredients listed in this section*	

Section 13. DISPOSAL CONSIDERATIONS**RCRA STATUS:** This product as sold would be considered a RCRA Hazardous Waste.**DISPOSAL:** Disposed of in accordance with local, state and federal regulations.**Section 14. TRANSPORT INFORMATION****DOT CLASSIFICATION:**

Class/Division: Not restricted
Proper Shipping Name: Not applicable
ID Number: Not applicable
Label: None

MATERIAL SAFETY DATA SHEET**Section 15. REGULATORY INFORMATION**

OSHA Hazard Communication Status: Nonhazardous

TSCA: The ingredients of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory.

CERCLA reportable quantity of EPA hazardous substances in product:

Chemical

RQ

No ingredients listed in this section

Product RQ: Not applicable

(Notify EPA of product spills exceeding this amount)

SARA TITLE III:**Section 302 Extremely Hazardous Substances:**

Chemical Name

CAS#

RQ

TPQ

No ingredients listed in this section

Section 311 and 312 Health and Physical Hazards:

Immediate

Delayed

Fire

Pressure

Reactivity

[no]

[no]

[no]

[no]

[no]

Section 313 Toxic Chemicals:

Chemical Name

CAS#

No ingredients listed in this section