

RobinFloc 4400

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: RobinFloc 4400 Manufacturer: G. S. Robins and Company
126 Chouteau Avenue
St. Louis, MO 63102
(314) 621-5155

Chemical Name/Synonyms:
Polymer Emulsion Solution for Water Treatment

CAS Registry Number: Mixture, see below

EMERGENCY PHONE NUMBER
CHEMTREC: (800) 424-9300

2 COMPOSITION / INFORMATION ON INGREDIENTS OSHA HAZARDS

Component	CAS Number	% By Weight	OSHA PEL	ACGIH TLV
Water Soluble Polymer Emulsion	Varies	Trade Secret	N/A	N/A
Water	7732-18-9	Trade Secret	N/A	N/A

3 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW: Spills produce extremely slippery surfaces. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

POTENTIAL HEALTH EFFECTS:

Routes of Exposure: Inhalation, ingestion, direct contact with skin, eye exposure.

Inhalation: Inhalation may cause irritation to the mucous membranes.

Eye Contact: May cause eye irritation.

Skin Contact: Short single exposure not likely to cause significant skin irritation. Prolonged or repeated exposure may cause skin irritation, even a burn. May cause more severe response if skin is abraded (scratch or cut).

Ingestion: This product is not considered toxic based on studies on laboratory animals.

Cancer: N/A

Target Organs: N/A

Medical Conditions Aggravated By Exposure: N/A

Subchronic/Chronic Exposure: N/A

4 FIRST AID MEASURES

Inhalation: Move to fresh air. If breathing has stopped, perform artificial respiration. Call a physician.

Eye Contact: Flush thoroughly with water for at least 15 minutes, also under the eyelids. In case of persistent eye irritation, consult a physician.

Skin Contact: Wash with water and soap as a precaution. In case of persistent skin irritation, consult a physician.

Ingestion: If a large amount of this product is ingested, seek medical attention.

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5 FIRE FIGHTING MEASURES

<i>Flash Point:</i>	Product not flammable.
<i>Extinguishing Media:</i>	Cool containers with water fog.
<i>Fire Fighting Instructions:</i>	Use whatever extinguishing media is appropriate. Respiratory and eye protection required. Spills produce extremely slippery surfaces.
<i>Fire & Explosion Hazards:</i>	N/A
<i>Decomposition Products:</i>	N/A

6 ACCIDENTAL RELEASE MEASURES

<i>General:</i>	No special precautions required. Collect the residues for proper disposal. Do not contaminate water. DO NOT flush with water. Dike and soak up with inert absorbent material. If liquid has been spilled in large quantities, clean up promptly by scoop or vacuum.
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7 HANDLING AND STORAGE

<i>Handling:</i>	Avoid contact with skin, eyes, and clothing. Do not breathe vapors or mist. When using, do not smoke. Practice good hygiene.
<i>Storage:</i>	Keep in a dry cool place. Store between 32F/0C and 120F/49C. Avoid exposure to continuous high temperatures.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<i>Engineering Controls:</i>	General exhaust recommended. Wear suitable respiratory protection for dust/mist.
<i>Personal Protection:</i>	Safety glasses at a minimum, goggles if splashing could occur. No respiratory protection should be needed unless dusts or mist is created during use.
<i>Work Practices:</i>	Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practices.
<i>Unsatisfactory Materials Of Construction:</i>	N/A

9 PHYSICAL AND CHEMICAL PROPERTIES

<i>Appearance:</i>	Milky, viscous liquid
<i>Specific Gravity:</i>	not specified
<i>Vapor Pressure:</i>	N/D
<i>Vapor Density:</i>	N/D
<i>Solubility in Water:</i>	completely soluble
<i>Freezing Point:</i>	< 0 degrees C
<i>% Volatile by Weight:</i>	not specified
<i>Boiling Point:</i>	>212 C
<i>Flash Point:</i>	>200 C
<i>pH:</i>	4 – 8 @ 5g/l

10 STABILITY AND REACTIVITY

<i>Stability:</i>	Stable
<i>Hazardous Polymerization:</i>	No hazardous polymerization will occur.
<i>Conditions to Avoid:</i>	Oxidizing agents may cause exothermic reactions.
<i>Incompatibility:</i>	N/A
<i>Decomposition Products:</i>	Thermal decomposition may produce: hydrogen chloride gas, nitrogen oxides (Nox), and carbon oxides.

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11 TOXICOLOGICAL INFORMATION

Acute

Oral LD50 Rat: 5000 mg/kg
Oral LD50 Mouse: 1720 mg/kg

12 ECOLOGICAL INFORMATION

Ecotoxicity:

The effect of this product on aquatic organisms is rapidly and significantly mitigated by the presence of dissolved organic carbon in the aquatic environment as found in most surface waters.

Fish Based on the toxicity of the components using the Conventional Method
LC50/Danio Rerio/96 hr > 10 -100 mg/L (OECD 203)

Algae Algal inhibition tests are not appropriate. The flocculating characteristics of the product interfere directly in the test medium preventing homogenous distribution that invalidates the test.

Daphnia Based on the toxicity of the components using the Conventional Method
EC50/Daphnia Magna/48 hr > 50 mg/L (OECD 202)

Environmental Fate: The product is rapidly eliminated from the aquatic medium through irreversible adsorption onto suspended matter and dissolved organics.

Bioaccumulation: Does not bioaccumulate.

Persistence/ Degradability: Not readily biodegradable.

13 DISPOSAL CONSIDERATIONS

Disposal Guidance: Dispose of in accordance with federal, state and local regulations.

Other Information: N/A

14 TRANSPORTATION INFORMATION

DOT Hazardous Materials Classification:

Class/Division:

Proper Shipping Name: Not regulated

Label:

Packing Group:

ID Number:

15 REGULATORY INFORMATION

TSCA: Appears on the EPA TSCA inventory list.

RCRA: N/A

CERCLA: N/A

SARA Sect. 302

(EHS) List: NO

SARA Sect. 311/312

Hazard Categories: Immediate Health

SARA Sect 313

(Toxic Chemical) List: NO

OSHA Hazcom Status: N/A

IARC: N/A

NTP Annual Report

on Carcinogens: N/A

OSHA Carcinogen: N/A

CA Proposition 65: This product contains chemical(s) known to the state of California to cause cancer:
residual acrylamide

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16 OTHER INFORMATION

National Fire Protection Association (NFPA) Classification:

Health: 1
Flammability: 1
Reactivity: 0
PPE: 0

Hazardous Materials Information Systems (HMIS) Classification:

Health: 1
Flammability: 1
Reactivity: 0
PPE:

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