

## Robin 33

### 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Robin 33

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

Chemical Name/Synonyms:  
Polymer 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 Co-polymer	25988-97-0	Trade Secret	GRAS	GRAS
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:* The product is not considered toxic based on 21CFR173.60 GRAS information.

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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 &amp; 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>	Clear liquid
<i>Specific Gravity:</i>	not specified
<i>Vapor Pressure:</i>	0.13 @ 20 deg C
<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>	>100 C
<i>Flash Point:</i>	>100 C
<i>pH:</i>	5 - 9 @ 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 toxicity

Oral : LD50/oral/rat > 2000 mg/kg ( estimated )  
Dermal : LD50/dermal/rat > 2000 mg/kg ( estimated )  
Inhalation : The product is not expected to be toxic by inhalation.

#### Irritation

Skin : Testing conducted on rabbits according to the Draize technique showed the material to be mildly irritating to the skin.  
Eyes : Testing conducted according to the Draize technique showed the material produces no corneal or iridial effects and only slight conjunctival effects.  
Sensitization : Not sensitizing.  
Chronic toxicity : NOEL/oral/rat/90days = 2000 mg/kg  
Other information : Not mutagenic in AMES Test. Not mutagenic in micronucleus test on mice.

### 12 ECOLOGICAL INFORMATION

#### Ecotoxicity:

The effects of this product on aquatic organisms are rapidly and significantly mitigated by the presence of dissolved organic carbon in the aquatic environment.

Fish LC50/Danio rerio/96 hr > 10 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 which invalidates the test.  
Daphnia : EC50/Daphnia magna/48 hr > 10 mg/l (OECD 202)  
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

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### 16 OTHER INFORMATION

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**National Fire Protection Association (NFPA) Classification:**

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

**Hazardous Materials Information Systems (HMIS) Classification:**

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

*This Material Safety Data Sheet and the information it contains are offered to you in good faith as accurate. We have reviewed any information contained in this data sheet, which contains information from sources outside of our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.*