



# AQUA SERIES 174 5

PRODUCT NAME

## ACIDIC SHEETFEED FOUNTAIN CONCENTRATE

H M I S	R E A C T I V E	HEALTH	1
		FLAMMABILITY	0
		REACTIVITY	0
		PERSONAL PROTECTION	A

MANUFACTURED BY: RBP CHEMICAL CORP  
 TEL 414-258-0911 150 S. 118 STREET  
 800-558-0747 MILWAUKEE, WI 53214

HAZARDOUS INGREDIENTS NAME	CAS#	ACGIH TLV	OSHA PEL	%
Magnesium Nitrate	10213-15-7	not est.	not est.	<5

This product does not contain chemicals requiring reporting under SARA TITLE III Section 313 at above the De Minimis level.

### PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: nd  
 Solubility in Water: Complete  
 VOC by EPA METHOD 24  
 0.45 lb/gal, 54 gm/L, 4.8%  
 Density: 1.12 g/ml, 9.3 lb/gal  
 pH: 2.8

Appearance and Odor:  
 lightly cloudy, aquamarine liquid with mild odor.

### FIRE AND EXPLOSION HAZARD DATA

Flash Point: None  
 Extinguishing Media:  
 Appropriate to major cause of fire.  
 Special Fire Fighting Procedures:  
 None.  
 Unusual Fire and Explosion Hazards:  
 None known.

### REACTIVITY DATA

Stability: Stable  
 Incompatibility: None known

Hazardous Decomposition Byproducts:  
 Nitrogen oxides and oxides of phosphorous upon thermal decomposition/fire conditions.

Hazardous Polymerization:  
 Will not occur.

Conditions to Avoid:  
 None

### HEALTH HAZARD DATA

#### Routes of Entry:

Inhalation Unlikely      Skin Primary      Ingestion Unlikely

Health Hazards Acute and Chronic:  
 Contact with concentrated solution as shipped, may cause irritation to eyes and skin. Due to the negligible vapor pressure of the hazardous ingredient in even the concentrated solution, inhalation is an unlikely health hazard.

#### Emergency and First Aid Procedures:

Eye Contact: Flush eyes with water for at least 15 minutes. Consult a physician if irritation persists.  
 Skin Contact: Wash thoroughly with plenty of soap and water. Consult a physician if irritation develops.  
 Ingestion: Give 2 glasses of water and induce vomiting. Call a physician.

#### CARCINOGENICITY:

None of the ingredients in this product are listed by IARC, NTP, or OSHA as carcinogenic.

Signs and Symptoms of Overexposure:  
 Prolonged skin contact may cause redness and irritation.

#### Medical Conditions Aggravated by

Exposure:  
 Concentrated solution may aggravate an existing dermatitis.

### PRECAUTIONS FOR USE AND DISPOSAL

Spills: Small spills should be flushed to sewer with large quantities of water. Large spills should be contained and pumped to salvage tank.

Waste Disposal: Discharge of used dilute working solution to a municipal treatment facility is acceptable in most jurisdictions.

Special Storage/Handling Precautions:  
 None

### CONTROL MEASURES

Respiratory Protection: Not required.  
 Ventilation: Local      Mechanical XX      Special  
 Eye Protection: Recommended  
 Gloves: Recommended for prolonged and repeated contact. ((Butyl, rubber, or neoprene)  
 Other: An eye fountain should be located in any workplace when working with chemicals.

nd = no data found or not determined

The information contained herein is furnished without warranty of any kind. Users should consider this data a supplement to other information gathered by them and are responsible for completeness of information to assure proper use of these materials and the safety and health of their employees.

This MSDS was prepared under the direction of:

Wayne Koontz, Safety Director 02/22/94

Revised- N/A

Rev. code 01A



**CHEMELEX®**  
PRINTED WIRING  
BOARD PRODUCTS  
**GRAPHX®**  
GRAPHIC ARTS  
PRODUCTS

# AQUANOL 600\*

PRODUCT NAME

## ALCOHOL REPLACER

H M I S R A T I N G S	HEALTH	2
	FLAMMABILITY	2
	REACTIVITY	0
	PERSONAL PROTECTION	B

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### HAZARDOUS INGREDIENTS

NAME	CAS#	ACGIH TLV	OSHA PEL	%
2-Butoxyethanol**	111-76-2	25ppm	25ppm	<75
Glycerine	56-81-5	10mg/M3	10mg/M3	<10

\*\*Listed chemical is subject to SARA TITLE III Section 313 reporting. 2-Butoxyethanol is a glycol ether.

### PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: nd

Solubility in Water: Complete

%Volatiles (by Vol): 91

VOC by EPA METHOD 24  
7.3 lb/gal, 875 gm/l, 92%

Density: 0.95 g/ml, 7.9 lb/gal

Appearance and Odor:

Very pale yellow liquid with characteristic odor.

### FIRE AND EXPLOSION HAZARD DATA

Flash Point: 152 F (TCC)

Extinguishing Media:  
CO2, dry chemical, foam, water spray.

Special Fire Fighting Procedures:  
Wear self contained breathing apparatus for any fire involving chemicals.

Unusual Fire and Explosion Hazards:  
None

### REACTIVITY DATA

Stability: Stable

Incompatibility: None known

Hazardous Decomposition Byproducts:  
Carbon dioxide/monoxide.

Hazardous Polymerization:  
Will not occur.

Conditions to Avoid:  
Heat, sparks and open flames.

### HEALTH HAZARD DATA

#### Routes of Entry:

Inhalation Primary      Skin Secondary      Ingestion Unlikely

#### Health Hazards Acute and Chronic:

Short term overexposure to concentrated solution may cause skin, eye or respiratory tract irritation. The low evaporation rate of 2-Butoxyethanol makes the inhalation risk low. Laboratory testing has shown that animals exposed to excessive concentrations for extended periods of time may develop liver, kidney, or blood disorders. Concentrated solution applied to the skin may be absorbed in harmful amounts.

#### Emergency and First Aid Procedures:

**Skin Contact:** Wash affected area with soap and water. Remove contaminated clothing.  
**Eye Contact:** Flush eyes with water for at least 15 minutes. Consult a physician.  
**Inhalation:** Remove to fresh air. Restore breathing if required. Get medical attention.  
**Ingestion:** Give 2 glasses of water and induce vomiting. Call a physician. Get medical attention.

#### CARCINOGENICITY:

None of the ingredients in this product are listed by IARC, NTP, or OSHA as carcinogenic.

#### Signs and Symptoms of Overexposure:

Nausea, headache, dizziness and general weakness. Prolonged and widespread skin contact may cause swelling and damage to skin.

#### Medical Conditions Aggravated by Exposure:

Because of its irritating and defatting properties, this material may exacerbate an existing dermatitis.

### PRECAUTIONS FOR USE AND DISPOSAL

**Spills:** Small spills should be flushed to sewer with large quantities of water. Large spills should be contained and pumped to salvage tank.

**Waste Disposal:** Discharge of used dilute working solution to municipal treatment plants is acceptable in most jurisdictions.

**Special Storage/Handling Precautions:**  
None

### CONTROL MEASURES

**Respiratory Protection:** Not normally required. Organic vapor respirator for unusual conditions.

**Ventilation:** Local      Mechanical XX      Special

**Eye Protection:** Recommended

**Gloves:** Recommended, butyl, rubber, or neoprene

**Other:** An eye fountain or safety shower should be located in workplace when working with chemicals.

nd = no data found or not determined

\*FORMERLY AQUANOL 643

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This MSDS was prepared under the direction of:

Wayne Koontz, Safety Director 4/15/91

Revised- 10/22/93 WJK      Rev. code 01C