

## 1. PRODUCT AND COMPANY IDENTIFICATION

AQUATROLS CORPORATION OF AMERICA

1273 IMPERIAL WAY

PAULSBORO, NJ 08066 USA

### Emergency Phone Numbers:

For emergencies involving a spill, leak, fire, exposure or accident, contact CHEMTREC (800-424-9300 within the United States or 703-527-3887 for international collect calls).

For Product Information: 1-800-257-7797

Chemical Name or Synonym: Surfactant Blend

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

This material is a white, granular, odorless polymer that yields a gel-like material with the addition of water. It is insoluble in water and causes extremely slippery conditions when wet. Recent scientific information has determined that respirable product particles are defined as inert of nuisance dusty by OSHA, under 29 CFR 1900.1000, Table Z-3. Although not regulated as a hazardous material, any dust may be a potential respiratory tract irritant. Use an approved respirator if necessary when conditions merit.

### Potential Health Effects

<b>Eyes:</b>	Dust may cause burning, drying, itching and other discomfort, resulting in reddening of the eyes.
<b>Skin:</b>	Exposure to the dust, such as in manufacturing, may aggravate existing skin conditions due to drying effect.
<b>Ingestion:</b>	As in any instance of non-food consumption, seek medical attention in the event of any adverse symptoms.
<b>Inhalation:</b>	The manufacturer recommends a maximum 8-hour exposure limit of 5 mg/m <sup>3</sup> . Nuisance dusts of this product may cause irritation of the nose, throat, and respiratory tract.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

	<u>Product Composition</u>	<u>CAS Reg No.</u>	<u>WGT. %</u>
A. <u>Hazardous</u>	None		
B. <u>Non-Hazardous</u>	Acrylamide potassium acrylate copolymer (crosslinked)	31212-13-2	~ 100

## 4. FIRST AID MEASURES

<b>Eyes:</b>	DO NOT RUB EYES. Immediately flush eyes with large amounts of water for 15 minutes lifting the lower and upper lids. Seek medical attention if necessary.
<b>Skin:</b>	Remove contaminated clothing and immediately wash affected area with large amounts of water for at least 5 minutes. If irritation or redness persists, seek medical attention as needed.
<b>Ingestion:</b>	If ingestion of a large amount does occur, seek medical attention.
<b>Inhalation:</b>	If inhaled, move to source of fresh air. Seek medical attention if symptoms persist.

## 5. FIRE FIGHTING MEASURES

<b>General Fire Hazards:</b>	Dusts may form an explosive mixture in air.
<b>Upper Flammable Limit:</b>	None established
<b>Lower Flammable Limit:</b>	None established
<b>Method Used:</b>	None
<b>Flash Point:</b>	None
<b>Flammability Classification:</b>	None

<b>Hazardous Combustion Products:</b>	On thermal decomposition, oxides of carbon and nitrogen.
<b>Extinguishing Media:</b>	Dry chemical, foam, carbon dioxide, water fog. Extremely slippery conditions are created if spilled product comes in contact with water.
<b>Fire Fighting Equipment/Instructions:</b>	Firefighters should wear full protection clothing including self contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Containment Procedures:</b>	Keep any traffic in the area of a spill to a minimum. Use caution after contact with water as extremely slippery conditions will result. This is a non-hazardous waste suitable for disposal in an approved solid waste landfill.
<b>Clean-Up Procedures:</b>	Use caution after contact of product with water as extremely slippery conditions will result. Residuals may be flushed with water into the drain for normal wastewater treatment. This is a non-hazardous waste suitable for disposal in an approved solid waste landfill.
<b>Evacuation Procedures:</b>	None required.
<b>Special Procedures:</b>	Avoid respirable dust inhalation during clean-up. Wear appropriate respirator.

## 7. HANDLING AND STORAGE

<b>Handling Procedures:</b>	Handle as an eye and respiratory tract irritant.
<b>Storage Procedures:</b>	Store in a dry, closed container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Guidelines:</b>	
<b>General Product Information:</b>	This product is not regulated as a hazardous material. However, the manufacturer recognizes the potential that nuisance dust may cause respiratory tract irritation and recommends an eight-hour exposure limit of 5 mg/g <sup>3</sup> . It is also recommended that an approved respirator be used to avoid nuisance dust.
<b>Component Exposure Limits:</b>	No information is available.
<b>Engineering Controls:</b>	Provide local exhaust ventilation to maintain worker exposure to less than 5 mg/m <sup>3</sup> over an eight-hour period.
<b>Personal Protective Equipment:</b>	
<b>Eyes/Face:</b>	Wear safety glasses with side shields or splash goggles.
<b>Skin:</b>	Use impervious gloves when handling the product in the manufacturing environment.
<b>Respiratory:</b>	Use a NIOSH approved HEPA filter, or supplied air respirators when exposures reach the OSHA established PELs.
<b>General:</b>	Obey reasonable safety precautions and practice good housekeeping. Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Solid
<b>Appearance:</b>	White powder
<b>Odor:</b>	None
<b>pH:</b>	6.75 (1 g/l in water)
<b>Vapor Pressure:</b>	<15 mm Hg@20°C (68°F)
<b>Vapor Density:</b>	Not established
<b>Boiling Point:</b>	Not established
<b>Freezing Point:</b>	Not established
<b>Melting Point:</b>	>199°C (390°F)
<b>Flashpoint and Method:</b>	Not established
<b>Solubility in Water:</b>	Essential insoluble
<b>Bulk Density</b>	~ 660 kg/m

Specific Gravity: ~ 0.7 g/cm  
Particle Size: 200 – 4000 microns

## 10. STABILITY AND REACTIVITY

**Chemical Stable:** This material is stable  
**Chemical Stability: Conditions to Avoid:** None  
**Incompatibility:** None  
**Hazardous Decomposition:** See combustion products  
**Hazardous Polymerization:** Will not occur

## 11. TOXICOLOGICAL INFORMATION

**Acute and Chronic Toxicity:** **General Product Information**  
This product is not regulated as a hazardous material. However, the manufacturer recognizes that nuisance dust may cause respiratory tract irritation and recommends an eight-hour exposure limit of 5 mg/mm<sup>3</sup>. It is also recommended that an approved respirator be used to avoid nuisance dust.

**Acute Toxicity-LD<sub>50</sub>/LC<sub>50</sub>:**

**Oral Toxicity:** LD<sub>50</sub> rat >5000 mg/kg (3% solution); Method: OECD No. 401-Limit test  
**Dermal Toxicity:** LD<sub>50</sub> rat >2000 mg/kg; Method: OECD No. 402-Limit test  
**Skin Irritation:** Rabbit: No irritation. Method OECD No. 404  
**Eye irritation:** Rabbit: No irritation. Method OECD No. 405  
**Sensitization:** Guinea pig: No sensitization. Method: OECD No. 406  
Acute inhalation of respirable dust may cause irritation of the upper respiratory tract and lungs.

**Carcinogenicity:** **General Product Information:** This material is not listed as a carcinogen by IARC, NTP, or OSHA.

**Component Carcinogenicity:** No information is available  
**Chronic Toxicity:** No information is available  
**Mutagenicity:** Not a mutagenic in *in vitro* tests: OECD No. 471 and OECD No. 476

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** **General Product Information**

**Ciliate toxicity:** *Tetrahymena pyriformis*: EC<sub>50</sub>>6000 mg/l 24 hr exposure  
**Bacterial toxicity:** *Ps. putida*: EC<sub>50</sub>>8000 mg/l 24 hr  
**Fish toxicity:** *Leuciscus idus*: LC<sub>50</sub>~3600 mg/l 96 hr exposure – OECD No. 203  
*Brachydanio rerio*: LC<sub>50</sub>~5000 mg/l 96 hr exposure – OECD No. 203

**Other information:** Data report in Section 11 and 12 were determined in the Laboratory for Toxicology and Ecology, Stockhausen GmbH & Co. KG, Krefeld, Germany

**Component Analysis – Ecotoxicity – Aquatic Toxicity**  
**Environmental Fate:** No information available.  
Polyacrylate absorbents are relatively inert in aerobic and anaerobic conditions. They are immobile in landfills and soil systems (>90% retention), with the mobile fraction showing biodegradability. They are also compatible with incineration of municipal solid waste. Incidental down-the-drain disposal of small quantities of this product will not affect the performance of wastewater treatment systems.

## 13. DISPOSAL CONSIDERATIONS

**US EPA Waste Number and Descriptions:** **General Product Information:** This product is a non-hazardous waste material suitable for approved solid waste landfills.  
**Component Waste Numbers:** No EPA waste numbers are applicable for this product's components.

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

## 14. TRANSPORTATION INFORMATION

<b>DOT (Department of Transportation)</b>	This product is not transport regulated
<b>Proper Shipping Name:</b>	Cleaning Compound N01
<b>Primary Hazard Class / Division:</b>	Not applicable
<b>UN / NA Number:</b>	Not applicable
<b>NMFC# 48580</b>	Sub 3
<b>Packing Group:</b>	Not applicable
<b>NAERG:</b>	Not applicable
<b>Label:</b>	Not applicable
<b>U.S. Customs Harmonization Number:</b>	3402.13.0000.3
<b>Road and Rail (ADR / RID)</b>	Not available
<b>AIR (ICAO / IATA)</b>	Not available
<b>VESSEL (IMO / IMDG)</b>	Not available
<b>Canada Transport of Dangerous Goods</b>	Not available

## 15. REGULATORY INFORMATION

### United States DOT Label Symbol and Hazard Classification

**General Product Information:** This product is not federally regulated as a hazardous material

**Clean Air Act:** No information is available

**Component Analysis:** No Information is available

**State Regulations:** **General Product Information:** This product is not regulated by any State as a hazardous material

**Component Analysis – State:** None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA

**Component Analysis – WHMIS IDL:** No components are listed in the WHMIS IDL

**Component Analysis – Inventory:**

Component	CAS #	TSCA	CAN	EES
2-Propenoic acid, potassium salt, polymer with 2-propenamide	31212-13-2	Yes	DSL	Not regulated as a polymer

## 16. OTHER INFORMATION

**Other Information:** The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with federal, state, or provincial, and local laws.

**Reason for Issue:** Not applicable

**Information Contact:** Aquatrols Corporation of American – 1-800-257-7797

**Revision Summary:** Change/s and/or additions made to all Sections. Regulatory review and update. This revision replaces MSDS dated March 1, 2005.

### HMIS Rating

<b>HEALTH:</b>	1
<b>FLAMMABILITY:</b>	0
<b>PHYSICAL HAZARD:</b>	0
<b>PERSONAL PROTECTION:</b>	

### NFPA CODES

<b>HEALTH:</b>	1
<b>FLAMMABILITY:</b>	0
<b>INSTABILITY:</b>	0

**Manufacturer Disclaimer:** While the information and recommendations set forth herein are believed to be accurate, we make no warranty with respect hereto and disclaim all liability from reliance thereon.

End of MSDS Document