

## 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. Although not regulated as a hazardous material, the respirable dust is a potential respiratory tract irritant. The manufacturer recommends an eight-hour exposure limit of 0.05 mg/m<sup>3</sup>.

### Potential Health Effects

- Eyes:** Dust may cause burning, drying, itching and other discomfort, resulting in reddening of the eyes.
- Skin:** Exposure to the dust, such as in manufacturing, may aggravate existing skin conditions due to drying effect.
- Ingestion:** Although not a likely route of entry, tests have shown that polyacrylate absorbents are non-toxic if ingested. However, as in any instance of non-food consumption, seek medical attention in the event of any adverse symptoms.
- Inhalation:** Exposure to respirable dust may cause respiratory tract and lung irritation and may aggravate existing respiratory conditions.

## 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

- Eyes:** 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.
- Skin:** 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.
- Ingestion:** Non-toxic by ingestion. However, if adverse symptoms appear, seek medical attention.
- Inhalation:** Move individual to fresh air and check to assure adequate respiration. Seek medical attention if necessary.

## 5. FIRE FIGHTING MEASURES

- General Fire Hazards:** Dusts may form an explosive mixture with air.
- Upper Flammable Limit:** Not established
- Lower Flammable Limit:** Not established
- Method Used:** None
- Flash Point:** None
- Flammability Classification:** 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>	Sweep or vacuum material when possible and shovel into a waste container.
<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 for respiratory tract irritation and recommends an eight hour exposure limit of 0.05 mg/m <sup>3</sup> .
<b>Component Exposure Limits:</b>	No information is available.
<b>Engineering Controls:</b>	Provide local exhaust ventilation to maintain worker exposure to less than 0.05 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 goggles.
<b>Skin:</b>	Use impervious gloves when handling the product in the manufacturing environment.
<b>Respiratory:</b>	Wear respirator with a high efficiency filter if particulate concentrations in the work area exceed 0.05 mg/m <sup>3</sup> over an eight-hour period.
<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>	6.9 (1 g/l in water)
<b>Vapor Pressure:</b>	<7.5 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 @20°C (68°F)
<b>Bulk Density</b>	~ 620 kg/m <sup>3</sup>
<b>Specific Gravity:</b>	~ 0.7 g/cm <sup>3</sup>

## 10. STABILITY AND REACTIVITY

<b>Chemical Stable:</b>	This material is stable under normal handling and storage conditions described in Section 7.
<b>Chemical Stability: Conditions to Avoid:</b>	None
<b>Incompatibility:</b>	None
<b>Hazardous Decomposition:</b>	See combustion products
<b>Hazardous Polymerization:</b>	Will not occur

## 11. TOXICOLOGICAL INFORMATION

<b>Acute and Chronic Toxicity:</b>	<b>General Product Information</b>
<b>Oral Toxicity:</b>	LD <sub>50</sub> rat >5000 mg/kg (3% solution): Method: OECD No. 401-Limit test
<b>Dermal Toxicity:</b>	LD <sub>50</sub> rat >2000 mg/kg; Method: OECD No. 402-Limit test
<b>Skin Irritation:</b>	Rabbit: No irritation. Method OECD No. 404
<b>Eye irritation:</b>	Rabbit: No irritation. Method OECD No. 405
<b>Sensitization:</b>	Guinea pig: No sensitization. Method: OECD No. 406
	Acute inhalation of respirable dust may cause irritation of the upper respiratory tract and lungs.
<b>Acute Toxicity-LD<sub>50</sub>/LC<sub>50</sub></b>	No LD <sub>50</sub> /LC <sub>50</sub> 's are available for this product's components.
<b>Carcinogenicity:</b>	<b>General Product Information:</b> This material is not listed as a carcinogen by IARC, NTP, or OSHA. <b>Component Carcinogenicity:</b> No information is available.
<b>Chronic Toxicity:</b>	Chronic inhalation exposure to rats for a lifetime (two years) using a sodium polyacrylate absorbent material that had been micronized to a respirable particle size (<10 micrograms) produced a non-specific inflammation and chronic lung injury at 0.2 mg/m and 0.8 mg/m. Also, at 0.8 mg/m <sup>3</sup> , tumors were seen in some test animals. In the absence of chronic inflammation, tumors are not expected. There were no adverse effects detected at 0.05 mg/m <sup>3</sup> .
<b>Mutagenicity:</b>	A similar polyacrylate absorbent had no effect in mutagenicity tests.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	<b>General Product Information</b>
<b>Ciliate toxicity:</b>	<i>Tetrahymena pyriformis</i> : CD <sub>50</sub> >6000 mg/l 24 hr exposure
<b>Bacterial toxicity:</b>	<i>Ps. putida</i> : EC <sub>50</sub> >8000 mg/l 24 hr
<b>Fish toxicity:</b>	<i>Leuciscus idus</i> : LC <sub>50</sub> ~3600 mg/l 96 hr exposure – OECD No. 203 <i>Brachydanio rerio</i> : LC <sub>50</sub> ~5000 mg/l 96 hr exposure – OECD No. 203
<b>Other information:</b>	Data report in Section 11 and 12 were determined on a comparable product in the Laboratory for Toxicology and Ecology, Stockhausen GmbH & Co. KG, Krefeld, Germany No information available.
<b>Component Analysis – Ecotoxicity – Aquatic Toxicity</b>	
<b>Environmental Fate:</b>	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 polyacrylic absorbents will not affect the performance of wastewater treatment systems.

## 13. DISPOSAL CONSIDERATIONS

<b>US EPA Waste Number and Descriptions:</b>	<b>General Product Information</b>
	This product is a non-hazardous waste material suitable for approved solid waste landfills.
<b>Component Waste Numbers:</b>	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

DOT (Department of Transportation) This product is not transport regulated  
 Proper Shipping Name: Cleaning Compound NOI  
 Primary Hazard Class / Division: Not applicable  
 UN / NA Number: Not applicable  
 NMFC# 48580 Sub 3  
 Packing Group: Not applicable  
 NAERG: Not applicable  
 Label: Not applicable  
 U.S. Customs Harmonization Number: 3402.13.0000.3  
 Road and Rail (ADR / RID): Not available  
 AIR (ICAO / IATA): Not available  
 VESSEL (IMO / IMDG): Not available  
 Canada Transport of Dangerous Goods: 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  
 Food and Drug Administration: None of the components in this product are listed by the FDA under regulations for direct and indirect food additives

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 stat 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	No

## 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

HEALTH:	1
FLAMMABILITY:	0
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	

### NFPA CODES

HEALTH:	1
FLAMMABILITY:	0
INSTABILITY:	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

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