



SperSal®35

Material Safety Data Sheet

Date Prepared: December 28, 2011

Supersedes Date:

1. CHEMICAL PRODUCT AND COMPANY DESCRIPTION

AQUATROLS CORPORATION OF AMERICA

1273 IMPERIAL WAY

PAULSBORO, NJ 08066 USA

Emergency Phone Numbers:

For chemical emergency spill, leak, fire, exposure or accident, call CHEMTREC Day or Night: Domestic North America 800-424-9300. International call 703-527-3887 (collect calls accepted).

For Product Information: 800-257-7797 or www.aquatrols.com

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

INHALATION: No specific health warnings noted
INGESTION: May cause discomfort if swallowed. May cause stomach pain or vomiting
SKIN CONTACT: Non irritant. Not a skin sensitizer
EYE CONTACT: Irritating to eyes
ROUTE OF ENTRY: Skin and/or eye contact. Ingestion. Inhalation
TARGET ORGANS: Eyes, skin

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>			65%
	Polymaleic acid	26099-09-2	35%

Composition Comments: Aqueous solution containing a mixture of a polycarboxylic acid and an organic acid.

4. FIRST AID MEASURES

INHALATION: Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues
INGESTION: DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Get medical attention.
SKIN CONTACT: Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.
EYE CONTACT: Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use: Water spray, fog or mist. Foam, carbon dioxide or dry powder.
SPECIAL FIRE FIGHTING PROCEDURES: Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.
UNUSUAL FIRE & EXPLOSION HAZARDS: No unusual fire or explosion hazards noted.
SPECIFIC HAZARDS: Fire created: Toxic gases/vapors/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2)
PROTECTIVE MEASURES IN FIRE: Leave danger zone immediately. Self contained breathing apparatus and full protective clothing must be worn in case of fire

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Follow precautions for safe handling described in this MSDS. For personal protection, see section 8.

ENVIRONMENTAL PRECAUTIONS: Avoid release to the environment. To prevent release, place container with damaged side up.

7. HANDLING AND STORAGE

HANDLING: Avoid spilling, skin and eye contact. Observe good chemical hygiene practices.

STORAGE: Store separated from: Alkalis. Reducing Agents. Do NOT use container made of: Carbon steel. Keep containers tightly closed. Protect from light, including direct sunrays.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS: No exposure limits noted for ingredient(s).

PROCESS CONDITIONS: Provide eyewash station

PROTECTIVE EQUIPMENT: Safety glasses and gloves

ENGINEERING MEASURES: Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

RESPIRATORY EQUIPMENT: No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Occupational Exposure Limit.

EYE PROTECTION: Wear approved safety goggles. Use face shield in case of splash risk.

SKIN PROTECTION: Wear apron or protective clothing in case of splashes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Amber
Odor:	Slight
Solubility	Miscible with water
Boiling Point (°C)	100-102
Melting Point (°C)	<5
Relative Density:	1.115 – 1.135 @ 20°C
Vapor Pressure	17.5 mmHg @ 20°C
pH-value, Conc. Solution:	<2
Viscosity:	<6 cps @ 25°C
Partition Coefficient (N-Octanol/Water)	<1

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal temperature conditions and recommended use

CONDITIONS TO AVOID: Reacts with alkalis and generates heat

Materials to Avoid: Strong Alkalis

Hazardous Decomposition Products: Fire creates: toxic gases/vapors/fumes of: carbon Monoxide (CO). Carbon Dioxide (CO₂)

11. TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 – LD 50 >2000 mg/kg (oral rat)

TOXICOLOGICAL INFORMATION: Ames Test negative

INHALATION: No specific health warnings noted

INGESTION: May cause discomfort if swallowed. May cause stomach pain or vomiting

SKIN CONTACT: Non irritant. Not a skin sensitizer

EYE CONTACT: Irritating to eyes



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12. ECOLOGICAL INFORMATION

LC 50, 96 hrs, FISH mg/l: >100
EC 50, 48 hrs, DAPHNIA, mg/l: >1000
UDF Attribute 4: Acute toxicity. EC50 3 hours > 1000 mg/l sludge inhibition

13. DISPOSAL CONSIDERATIONS**Waste Management:**

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

14. TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Corrosive liquid, acidic, organic, N.O.S., (contains polycarboxylic acid)
TDG SHIPPING NAME: Corrosive liquid, acidic, organic, N.O.S., (contains polycarboxylic acid)
ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT IDENTIFICATION NO.: No. 3265
TUNNEL RESTRICTION CODE: (e)
DOT HAZARD CLASS: 8
DOT PACKING GROUP: III
US DOT HAZARD LABEL: Corrosive
UN NO. SEA: 3265
IMDG CLASS: 8
IMDG PACK GR: III
EMS: F-A, S-B
MARINE POLLUTANT: No.
UN No. AIR: 3265
AIR CLASS: 8
AIR PACK GR: III
TDG PACKING GROUP: III

15. REGULATORY INFORMATION**INVENTORIES:**

COMPONENT	CAN	US	EU	AUS	JAP	KOR	CHN	PHLP
Polymaleic Acid	DSL	Yes	EINECS	Yes	Yes	Yes	Yes	Yes
Non Hazardous Materials	DSL							
Organic Acid	DSL	Yes	EINECS					

COMPONENT	TSCA 12(b) EXPORT NOTIFICATION
Polymaleic Acid	N/A
Non Hazardous Materials	No

US FEDERAL REGULATIONS

COMPONENT	SARA 302-TPC	CERCLA-RQ	SARA 313
Polymaleic Acid		5000 lbs	N/A
Non Hazardous Materials			No
Organic Acid		5000 lbs	No

CLEAN AIR ACT

COMPONENT	CAA ACCIDENTAL RELEASE PREVENTION
Polymaleic Acid	No
Non Hazardous Materials	No



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Organic Acid	No
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US STATE REGULATIONS

COMPONENT	CAS	CA	FL	MA	MN	NJ	PA	RI
Polymaleic Acid	26099-09-2	No	No	No	No	No	No	No
Non Hazardous Materials		No	No	No	No	No	No	No
Organic Acid		No	No	No	No	No	No	No

REGULATORY STATUS (US)

SECTION 313: This product does not contain toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. PROPOSITION 65: This product does not contain chemical chemicals considered by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity and for which warnings are now required. TSCA: The ingredients of this product are on the TSCA Inventory.

REGULATORY REFERENCES

29 CFR 1910.1010 Federal Regulations (OSHA Standard)

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM – WHMIS

Label(s) for supply

Materials Causing Other Toxic Effects

Corrosive Materials

CONTROLLED PRODUCT CLASSIFICATION

Canadian WHMIS Classification E D2B

16. OTHER INFORMATION

Prepared by MSDS Classification

HMIS RATING

HEALTH	
FLAMMABILITY	
PHYSICAL HAZARD	
PERSONAL PROTECTION	

Key

- 4 = Severe
- 3 = Serious
- 2 = Moderate
- 1 = Slight
- 0 = Minimal

NFPA RATING

HEALTH	
FLAMMABILITY	
REACTIVITY	
SPECIAL	

HIMS Ratings Notes: Protection = J (Safety goggles, gloves, apron and combination dust and vapor respirator)**Reason for Revisions:** Not applicable – new MSDS, December 28, 2011.**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