

MATERIAL SAFETY DATA SHEET

1. Substance Identification

Product Name: AQUATROL CAT100E

Datasheet Number: CAT100E/1013

Use of the substance/preparation: Demineralization or softening of aqueous solutions

Chemical Name: Polystyrene Divinylbenzene

Ionic form: Sodium

Name of Supplier: AQUATROL

Address of Supplier: 1240 E. Belmont Street
Ontario, CA 91761

Telephone: (909) 527-6996

Fax: (909) 527-6997

2. Hazards identification

Contact with eyes: Mildly irritating to eyes

Hazard classification: This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.



3. Composition

CHEMICAL NAME	Concentration	CAS Number	EC Number	R Phrases	Symbol
Styrene/divinylbenzene copolymer	50 - 55%	9003-70-7	-	-	-
Moisture content	45 - 50%	7732-18-5	-	-	-

4. First aid measures

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| Contact with skin: | <ul style="list-style-type: none">• Remove contaminated clothing• Wash affected area with plenty of water |
| Contact with eyes: | <ul style="list-style-type: none">• Mildly irritating to eyes• If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes• Seek medical attention if irritation persists |
| Ingestion: | <ul style="list-style-type: none">• Give 200-300mls (half pint) water to drink• Never give anything by mouth to an unconscious person• Seek immediate medical attention• Do not induce vomiting |
| Inhalation: | <ul style="list-style-type: none">• Remove patient to fresh air• Seek medical advice |

5. Fire-fighting measures

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| Fire-fighting measures: | <ul style="list-style-type: none">• Combustible solid• In case of fire use water, foam, carbon dioxide or dry agent (S43)• Substance evolves toxic fumes, wear self-contained breathing apparatus• Wear full protective clothing including chemical protection suit• Prevent run off water from entering drains if possible• If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities |
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6. Accidental release measures

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| Personal Precautions: | <ul style="list-style-type: none">• Keep people and animals away• Spillage causes slippery surface |
| Environmental Precautions: | Do not allow to enter public sewers and watercourses |
| Clean Up Actions: | Collect as much as possible in clean container for reuse or disposal
- See Section 13 |

7. Handling and storage

Handling:	No special precautions are required for this product
Storage:	Store above 0 °C
Clean Up Actions:	<ul style="list-style-type: none">• Do not store above 40 °C• Avoid dehydration (when rewetted the resin volume may increase and cause a rupture of the packaging)• Keep only in the original container (S49)

9. Physical and chemical properties

Odor:	Odorless
Appearance:	Amber, brown, black, beads
pH:	Not applicable
Boiling point:	Not applicable
Melting point:	Not applicable
Solubility:	Insoluble in water
Specific gravity:	Not known
Combustible:	Combustible solid
Partition coefficient:	n-Octanol/water - not applicable
Viscosity:	Not applicable

10. Stability and reactivity

Stability and reactivity:	<ul style="list-style-type: none">• Considered stable under normal conditions• Incompatible with strong oxidizing substances, Contact with strong oxidizers, especially nitric acid, may produce low molecular weight organics that may form explosive mixtures <p>- See Section 5</p>
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11. Toxicological information

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| Toxicological information: | <ul style="list-style-type: none">• LD50 (oral,rat) >5000 mg/kg• No information available• Not applicable• Irritation to eyes: Irritant by mechanical action• Irritation to skin : None |
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Carcinogenicity	No evidence of carcinogenic effects
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Teratogenicity	No evidence of reproductive effects
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Mutagenicity:	No evidence of mutagenic effects
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12. Ecological information

Ecotoxicity	On available data, substance is not harmful to aquatic life
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Mobility	Insoluble in water
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Persistence and Biodegradability	Not readily biodegradable
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Bioaccumulation Potential	Bioaccumulation is insignificant
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Other Adverse Effects	On available data, substance is not harmful to the environment
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13. Disposal considerations

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| General Information: | <ul style="list-style-type: none">• Dispose of waste and residues in accordance with local authority requirements |
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| Disposal Methods: | <ul style="list-style-type: none">• No specific disposal method required |
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| Container: | <ul style="list-style-type: none">• Since emptied containers retain product residue, follow label warnings even after container is emptied |
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14 .Transport information

Transport information:

Not classified as hazardous for transport

15. Regulatory information

Classification and labelling:

Not classified as hazardous for supply

16. Other information

Note 1:

Industrial grade products are not intended for analytical, medical, food and pharmaceutical applications without preliminary extensive purification.

This Safety Data Sheet complies with OSHA Hazard Communication Standard 29 CFR 1910.1200.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text