

Safety Data Sheet

1. Identification of the substance/preparation and company/undertaking.

Name MC:ES, MC:EW, MC:DS, DC:DW, C100 No. 10506

Synonyms

Supplied by: Veolia Water Systems Ltd.
High Street
Lane End
High Wycombe
Bucks. HP14 3JH
England

2. Composition/information on ingredients

Description: High density polyethylene cartridge.

Contains: (1) Sulphonated copolymer of styrene and divinylbenzene in the hydrogen form.
(2) Triethylamine functionalised copolymer of styrene and divinylbenzene in the hydroxide form.

Chemical	% Conc	Classification	Exposure	CAS	EINECS
(1)	>20%	Xi, R36		069011-20-7	
(2)	>20%	Xi, R36		069011-18-3	

3. Hazards identification

Irritating to eyes.

4. First Aid measures

Exposure Route	Symptom	Treatment
Inhalation	No adverse effects anticipated.	
Skin Contact	None.	Wash off in flowing water or shower.
Eye Contact	Irritation.	Irrigate with flowing water for at least 15 minutes. Remove all particles. Consult medical staff.
Ingestion	No adverse effects anticipated.	

5. Fire Fighting Measures	
Suitable Extinguishers	Foam, CO ₂ , Dry chemical.
Hazardous Combustion Products	Monomers, Residual organics, Carbon Oxides, Amines, Nitrogen Oxides and Sulphur Oxides.
Special Equipment for Fire Fighting	Wear self-contained breathing apparatus and full protective gear.
6. Accidental Release Measures	
Safety Precautions	Floor may be slippery.
Environmental Precautions	Prevent contamination of surface and ground-water.
Clean up Procedure	Contain and sweep up. Transfer to containers for recovery/disposal.
7. Handling and Storage	
<u>Handling</u>	Ventilation Normal
Prohibited procedures & equipment	None
Recommended procedures & equipment	Protective gloves. Safety glasses and eyewash. May cause slippery surfaces.
<u>Storage</u>	Temperature range 0°C - 50°C.
Avoid freezing and dehydration. Allow room for expansion. Static discharge may accumulate on dry beads.	
8. Exposure Controls/Personal Protection	
Exposure Limits	None established. Normal ventilation sufficient.
Respiratory	Protection not required.
Hand/Skin	Protective gloves.
Eye	Use chemical goggles. Eyewash available.
Hygiene Measures	No details.

9. Physical & Chemical Properties

Appearance	Spherical Beads -White to dark amber.
Odour	Slight amine.
pH	N/A
Boiling Point/range	N/A
Melting Point/range	N/A
Flammability	Autoignition >500°C.
Oxidizing Properties	None
Relative Density	1.04 - 1.4
Solubility in Water	Virtually insoluble.
Solubility in Solvent	No Detail.

10. Stability & Reactivity

Stability	Stable under normal conditions.
Conditions to Avoid	Storing above 50°C may result in amine vapour.
Materials to Avoid	Nitric Acid and strong oxidisers. Risk of explosion.
Hazardous Decomposition Products	Monomers, Residual organics, Carbon Oxides, Amines, Nitrogen Oxides.

11. Toxicological Information

Effects Acute toxicity unlikely due to physical properties.
 Eye irritation by mechanical and chemical action. May cause corneal injury.
 Effects are likely to heal.
 Prolonged skin exposure may cause irritation.

LD 50 >5000 mg/kg if ingested.

12. Ecological Information

Environmental Effects	Stable.
Mobility	Low.
Degradability	No biodegradation observed.
Bioaccumulative Potential	Low.
Aquatic Toxicity	Low ecotoxicity as not soluble in water but may change local pH of waters.

13. Disposal Considerations

Substance	Non hazardous - Landfill/controlled incineration.
Container	No Details.

14. Transport Information- Not classified**UN Number**
Primary Hazard
Packing Group
HI Number**Class/Item No**
Subsidiary Hazard
Emergency Action Code**15. Regulatory Information**

Supply Label Details	Neutral form not classified hazardous.
Label Name	Chemical name not required.
Symbols	Xi Irritant.
Risk Phrases	R36 Irritating to eyes.
Safety Phrases	S26 In case of contact of chemical components with eyes, rinse immediately with plenty of water and seek medical advice.
	S39 Wear eye/face protection.

Use of this material may be governed by the following regulations: No detail.**16. Other information**

This product is used:	Only in water purification plant.
It must not be used for:	Other purposes unless agreed in writing by Veolia Water Systems Ltd.
Legal Disclaimer:	The information herein is given in good faith and to the best of our knowledge but no warranty, expressed or implied, is made.
Last Revised:	03 October 2003