

Material Safety Data Sheet

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

Name: LC147, LC149, LC150, LC182, LC184, LC185, MSDS No. 10238
LC208, LC211 & LC214

Synonyms: N/A

Supplied by: ELGA LabWater, VWS (UK) Ltd.
Lane End Industrial Park, High Wycombe Bucks. HP14 3BY, England
Telephone: 0044 1494 887500
Fax: 0044 1494 887505

Emergency telephone: Contact local supplier or VWS/Elga LabWater representative.

2. Hazards Identification



R36 Irritating to eyes

3. Composition/information on ingredients



Description: Plastic cartridge containing carbon and ion exchange resins.

Hazardous substances present on their own:

This preparation contains no hazardous substances in this category

Other substances representing a hazard:

- 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	

Substances present at concentrations below the minimum danger threshold:

This preparation contains no hazardous substances in this category

Other substances with occupational exposure limits:

This preparation contains no hazardous substances in this category

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		
Handling	Ventilation	Normal
Prohibited procedures & equipment	None	
Recommended procedures & equipment	Protective gloves. Safety glasses and eyewash. May cause slippery surfaces	
Storage	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	Class/Item No
Primary Hazard	Subsidiary Hazard
Packing Group	Emergency Action Code
HI Number	

15. Regulatory Information

Supply Label Details

Label Name

Neutral form not classified hazardous

Symbols



Chemical name not required

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 VWS (UK) 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

7th January 2011