

Name:

Internal No.: 691026

Kanton Exchange Resin for IONEX Last changed 3.6.08

1 Identification of Substance and Company

TRADE NAME	KATION EXCHANGE RESIN 5 LITRES BY VOLUME - MEGA PART: 500-133 □□
APPLICATION	

Producer/importer	Mega Electronics Ltd.,
Address	Mega House, Grip Industrial Estate
Postal code	Linton, Cambridge
Country	United Kingdom
Telephone	+44 (0) 1223 893900
Fax	+44 (0) 1223 893894
Contact pers.	J. Wells
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2 Composition/Information on Ingredients

CAS No.: hazard symbol: Index No.: -- R-phrases: 41

No	Ingredient name	EC No.	CAS No.	Conc. (wt%)	Classification
1	styrene-divinylbenzene-copolymer with sulphonic acid groups in H-form		68037-26-3		<i>Xi</i>

Legend: T+=Very toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, E=Explosive, O=Oxidising, F+=Extremely flammable, F=Highly flammable, N=Dangerous for the environment

3 Hazards Identification

Xi

Risk of serious damage to eyes.



4 First Aid Measures

Upon inhalation of aerosol/vapour/dust:

Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.

Skin contact: After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing.

Eye contact: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. A doctor (or eye specialist) should be consulted immediately.

Upon swallowing: If product is swallowed, make the patient drink water. Wash out mouth repeatedly. If the patient feels unwell, seek medical advice.

5 Fire Fighting Measures

Extinguishing media: CO2, foam, dry powder; in cases of larger fires, water spray should be used.

Firemen have to wear self-contained breathing apparatus.



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6 Accidental Release Measures

Take up mechanically, fill into labelled, closable containers. Spilled product causes a risk of slipping.

7 Handling and Storage

Precautions should generally be taken against electrostatic charges according to the equipment used and the way the product is handled and packaged. Static charges lead to agglomeration of dry beads.

Prevent heating above 40 °C and cooling below -20 °C.

Do not allow to dry out.

VCI storage class: 11

Storage period 22 months.

8 Exposure Control/Personal Protection

Wear goggles.

Wear gloves.

Avoid contact with eyes and skin.

Keep away from food and drink stuffs.

Do not eat, drink or smoke at work.

Wash hands before breaks and at end of work and use skin-protecting **ointment**.

9 Physical and Chemical Properties

Form: beads

Colour: beige to grey, opaque

Odour: odourless

Density: approx. 1,18 g/cm³

Bulk density: 720 to 820 kg/m³

Solubility in water: not applicable

pH value: approx. 1 in aqueous suspension

Ignition temperature: not below 150 °C DIN 51794

10 Stability and Reactivity

Thermal decomposition: No thermal decomposition when stored and handled correctly.

Hazardous decomposition products: No hazardous decomposition products when stored and handled correctly. Formation of carbon monoxide, carbon dioxide, sulfur dioxide and other toxic gases in the event of fire or during thermal decomposition.

Hazardous reactions: Contact with strong oxidising agents may cause hazardous reactions. No hazardous reaction when used as directed.

11 Toxicological Information

Acute oral toxicity (LD50): above 5000 mg/kg °
tested in rats

Skin irritation: non-irritant °
tested on rabbits

Eye irritation: corrosive, Risk of serious damage to eyes. °
tested on rabbit eyes

° **Test results of an analogous product**



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12 Ecological Information

The product is insoluble in water. Therefore, ecological tests have not been conducted.
Do not allow to escape into waters, wastewater or soil.
Water pollution class (WGK): 1 - slightly hazardous to water
(own classification)
WGK = Classification in accordance with the German Water Resources Act
Product does not add to the AOX-value of the sewage. (DIN 38409)

13 Disposal Considerations

If utilisation or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e.g. by **incineration in a suitable plant. Soiled, empty containers are to be treated in the same way as the contents.**

14 Transport Information

GGVSee/IMDG Code: -- UN No.: -- MFAG: -- EmS: --
PG: -- MPO: --
GGVE/GGVS: Class -- No. -- RID/ADR: Class -- No. --
ADNR: Class -- No. -- Cat -- ICAO/IATA-DGR: not restr.
Declaration for land shipment: --
Declaration for sea shipment: --
Declaration for shipment by air: --
Other information:
Not dangerous cargo. Irritating to the eyes. Avoid temperatures below **-20 °C. Avoid heat above +40 °C. Keep separated from foodstuffs.**

15 Regulatory Information

Labelling in accordance with the EEC directives:
Symbol: Xi, hazard description: irritant
styrene-divinylbenzene-copolymer with sulphonic acid groups
R 41: Risk of serious damage to eyes.
S 26: In case of contact with eyes, rinse immediately with plenty of water **and seek medical advice.**



16 Other Information

VENDOR NOTES

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

ISSUED: 3.06.08

REVISION HISTORY

Version	Rev. date	Responsible	Changes
03.06.2008		JB	



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