

1 Identification of Substance and Company

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| TRADE NAME | ANION EXCHANGE RESIN 5 LITRES BY VOLUME - Mega Part: 500-135 |
| APPLICATION | |

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|--------------------------|--|
| Producer/importer | Mega Electronics Ltd., |
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| Postal code | Linton, Cambridge, CB21 4XN |
| Country | Great Britain |
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| | |

2 Composition/Information on Ingredients

| No. | Ingredient name | EC No. | CAS No. | Conc. (wt%) | Einecs-No. | Classif. |
|---|--|--------|---------|-------------|------------|----------|
| 1 | styrene-divinylbenzene-copolymer with dimethylamino groups in form of free base and trimethyl ammonium groups in chloride form | - | - | - | - | - |
| 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

Hazard warning not required.

4 First Aid Measures

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| 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. Eventually a doctor (or eye specialist) should be consulted. |
| After 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.

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 24 months.

8 Exposure Control/Personal Protection

General Safety Rules: 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.
Eye protection: Wear safety goggles.
Hand protection: Wear suitable protective gloves (e.g. Polychloroprene - CR). After contamination with product change the gloves immediately and remove them according to relevant national and local regulations

9 Physical and Chemical Properties

| | | | |
|------------------------------|----------------------------|-------------------------------------|--------------------------------|
| Physical State: | beads | | |
| Colour: | beige, opaque | | |
| Odour: | like amine | | |
| Solubility in water: | not applicable | | |
| Melting point/range: | -- | Density: | Approx. 1,04 g/cm ³ |
| Expl. limit LEL-UEL%: | -- | Solubility in water: | 100% |
| Vapour pressure: | -- | Saturation conc.: | -- |
| Decomposition temp.: | -- | Rel. dens. sat. air (air=1): | -- |
| pH solution: | -- | Boiling point/range: | -- |
| Flash point: | -- | pH concentrate: | max. 9 in aqueous suspension |
| Molar weight: | -- | Viscosity: | -- |
| Ignition temperature: | not below 250 °C DIN 51794 | | |

10 Stability and Reactivity

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|--|--|
| 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, nitrogen oxides 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 Toxikological Information

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| Acute dermal toxicity (LD50): | above 2000 mg/kg | tested in rats |
| Skin irritation: | non-irritant | tested on rabbits |
| Eye irritation: | non-irritant | tested on rabbit eyes |

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

WGK = Classification in accordance with the German Water Resources Act

Product does not add to the AOX-value of the sewage. (DIN EN 1485)

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.

Contaminated, empty containers are to be treated in the same way as the contents.

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the European Waste Catalogue.

14 Transport Information

Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)

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|-----------------------|---|
| ADR/RID-GGVS/E | - |
| Class: | - |
| Kemler Number: | - |
| UN-Number: | - |
| Packaging group: | - |
| Label | - |
| Designation of goods: | - |

Maritime transport IMDG/GGVSea:

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|-------------------------|---|
| IMDG/GGVSea Class: | - |
| UN Number: | - |
| Label | - |
| Packaging group: | - |
| EMS Number: | - |
| Correct technical name: | - |

Air transport ICAO-TI and IATA-DGR:

| | |
|-------------------------|---|
| ICAO/IATA Class: | - |
| UN/ID Number: | - |
| Label | - |
| Packaging group: | - |
| Correct technical name: | - |

Not dangerous cargo. Avoid temperatures below -20 °C. Keep separated from foodstuffs.

15 Regulatory Information

No labelling is required in accordance with the EEC directives.

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: 30.01.08

REVISION HISTORY

| Version | Rev. date | Responsible | Changes |
|---------|-----------|-------------|---------|
| | | | |



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