

A TRADEMARK OF JACOBI CARBONS. WWW.JACOBI.NET

Resinex™
Ion Exchange Resin

Page 1/7

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 15.11.2011

Version: 1

Revision: 15.11.2011

SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

Trade name RESINEX™ K-8, K-10, KW-8, KW-8 plus, KW-S, KP, NC-10

CAS Number:

69011-22-9

EINECS Number:

not listed

1.2 Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the preparation: Water treatment

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Jacobi Carbons Group

Slöjdaregatan 1

SE-393 53 Kalmar

Sweden

fon: +46 480 41 75 50

fax: +46 480 41 75 59

Informing department:

Product Safety Department

msds@jacobi.net

1.4 Emergency telephone number: fon: +49 69 719107-0 (Business hours: 08.00 - 17.00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The substance is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

The product is not a dangerous substance according to Directive 67/548/EEC.

Void

Information concerning particular hazards for human and environment: void

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements

Safety data sheet available on request.

2.3 Other hazards

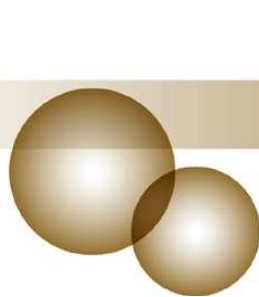
Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

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(Contd. on page 2)



A TRADEMARK OF JACOBI CARBONS. WWW.JACOBI.NET

Resinex™
Ion Exchange Resin

Page 2/7

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(Contd. of page 1)

SECTION 3: Composition/information on ingredients

3.1 Chemical characterization: Substances

CAS No. Designation:

69011-22-9 benzene, diethenyl- polymer with ethenylbenzene and ethenylethylbenzene, sulfonated, sodium salts

Identification number(s):

EC number:

not listed

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Instantly remove any clothing soiled by the product.

After inhalation Supply fresh air; consult doctor in case of symptoms.

After skin contact The product is not skin irritating.

After eye contact Rinse opened eye for several minutes under running water.

After swallowing

Rinse out mouth and then drink plenty of water.

Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents Water spray, foam, carbon dioxide, dry extinguishing agents

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

Protective equipment: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required.

6.2 Environmental precautions: No special measures required.

6.3 Methods and material for containment and cleaning up:

Collect mechanically.

Dispose of contaminated material as waste according to chapter 13.

6.4 Reference to other sections

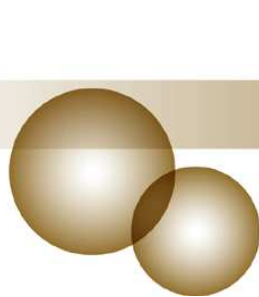
No dangerous materials are released.

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

(Contd. on page 3)

GB



A TRADEMARK OF JACOBI CARBONS. WWW.JACOBI.NET

Resinex™
Ion Exchange Resin

Page 3/7

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See Section 13 for information on disposal.

(Contd. of page 2)

SECTION 7: Handling and storage

7.1 Precautions for safe handling No special measures required.

Information about protection against explosions and fires: The product is combustible.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Protect from frost.

Recommended storage temperature: 1-40 °C

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems: No further data; see chapter 7.

8.1 Control parameters

Components with critical values that require monitoring at the workplace: Not required.

Additional information: The lists that were valid during the compilation were used as basis.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

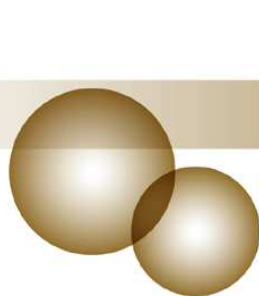
Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed safety glasses.

(Contd. on page 4)

GB



A TRADEMARK OF JACOBI CARBONS. WWW.JACOBI.NET

Resinex™
Ion Exchange Resin

Page 4/7

Safety data sheet according to 1907/2006/EC, Article 31

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Body protection: Protective work clothing.

(Contd. of page 3)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Solid
Colour:	Amber coloured
Smell:	Odourless
Odour threshold:	Not determined.

pH-value (- g/l) at 20°C: 7

Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined

Flash point: Not applicable

Inflammability (solid, gaseous) Not determined.

Ignition temperature: >250°C

Decomposition temperature: Not determined.

Self-inflammability: Not determined.

Danger of explosion: Product is not explosive.

Critical values for explosion:

Lower:	Not determined.
Upper:	Not determined.

Steam pressure: Not applicable.

Density Not determined

Settled apparent density at 20°C	770±40 kg/m ³
Relative density	Not determined.
Vapour density	Not applicable.
Evaporation rate	Not applicable.

Solubility in / Miscibility with
Water: Insoluble

Segregation coefficient (n-octanol/water): Not determined.

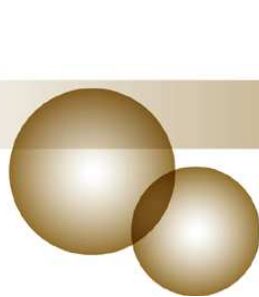
Viscosity:

dynamic:	Not applicable.
kinematic:	Not applicable.

Solids content: 100.0 %

(Contd. on page 5)

GB



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(Contd. of page 4)

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

69011-22-9 benzene, diethenyl- polymer with ethenylbenzene and ethenylethylbenzene, sulfonated, sodium salts

Oral	LD50	>5000 mg/kg (rat)
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Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritant effect.

Sensitization: No sensitizing effect known.

Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The material is not subject to classification according to EC lists in the last version.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

Additional ecological information:

General notes: not hazardous for water.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

(Contd. on page 6)



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12.6 Other adverse effects No further relevant information available.

(Contd. of page 5)

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Contact manufacturer for recycling information.
Disposal according to official regulations.

European waste catalogue

19 00 00	WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE
19 08 00	wastes from waste water treatment plants not otherwise specified
19 08 06*	saturated or spent ion exchange resins

Uncleaned packagings:

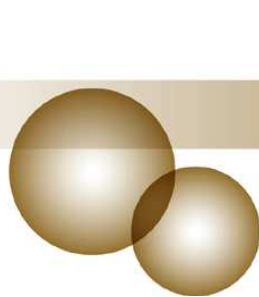
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Void
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	Not dangerous according to the above regulations.
UN "Model Regulation":	-

GB

(Contd. on page 7)



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Resinex™
Ion Exchange Resin

Page 7/7

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(Contd. of page 6)

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements

Safety data sheet available on request.

National regulations

Water hazard class: not hazardous for water.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing data specification sheet: Product safety department

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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