

Safety data sheet

acc. to 1907/2006/EC, Article 31 (REACH), 1272/2008/EC (CLP) and 453/2010/EC

Printing date 13.11.2013

Version number 1

Revision: 13.11.2013

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

1.1 Product identifier

Trade name **Rhenoflex Rx 5020 - Rx 5080**
Article number: **76402**

Article number: 76402

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

No further relevant information available.

Application of the substance / the preparation

Intermediate
Multi-pack product
Processing aid

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

BK Giulini GmbH
Business Unit Materials
Works Ludwigshafen, Giulinistraße 2
D-67065 Ludwigshafen

www.bk-giulini.com

Tel: +49 621 5709-01
Fax: +49 621 57096452

Information:

Business Unit Materials
Works Ladenburg Phone +49 6203 / 77-7172
Works Ludwigshafen Phone +49 621 / 5709-6523
Product information: Tel. +49 621 5709 6531
Contact MSDS: MSDS@icl-pp.com

1.4 Emergency telephone number:

Works Ladenburg Phone +49 6203 / 77-112
Works Ludwigshafen Phone +49 621 / 5709-112

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The substance is not to be classified according to the CLP regulation.

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

Information concerning particular hazards for human and environment: Void

Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

2.2 Label elements

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

Hazard pictograms Void

Signal word Void

Hazard statements Void

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

3.1 Chemical characterization: Substances

CAS No. Designation:

Kappenstoff

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- . Identification number(s):
- . EC number: Void
- . Description: Cap material based on a mixture of polymers.

4 First aid measures

- . 4.1 Description of first aid measures
- . General information No special measures required.
- . After inhalation : Void
- . After skin contact :
Rinse with warm water.
The product is not skin irritating.
- . After eye contact : Void
- . After swallowing : Void
- . 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.

5 Firefighting measures

- . 5.1 Extinguishing media
- . Suitable extinguishing agents CO₂, extinguishing powder or water jet. Fight larger fires with foam.
- . 5.2 Special hazards arising from the substance or mixture
Fire can cause release of :
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- . 5.3 Advice for firefighters
- . Protective equipment: Put on breathing apparatus.

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.
- . 6.4 Reference to other sections No dangerous materials are released.

7 Handling and storage

- . 7.1 Precautions for safe handling No special measures required.
- . Information about protection against explosions and fires:
Have fire extinguishing equipment ready in case of nearby fire.
- . 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: None.
- . 7.3 Specific end use(s) No further relevant information available.

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8 Exposure controls/personal protection

- . 8.1 Control parameters
 - . Components with critical values that require monitoring at the workplace: Not required.
 - . Additional information: The lists that were valid during compilation were used as a basis.
- . 8.2 Exposure controls
 - . Personal protective equipment
 - . General protective and hygienic measures Wash hands during breaks and at the end of the work.
 - . Breathing equipment: Not required.
 - . Protection of hands: Not required.
 - . Material of gloves Not applicable
 - . Penetration time of glove material Not applicable
 - . Eye protection: Not required.
 - . Body protection: None

9 Physical and chemical properties

- . 9.1 Information on basic physical and chemical properties
 - . General Information
 - . Appearance:

Form:	sheet material
Colour:	Various colours
 - . Smell: Odourless
 - . Odour threshold: Not applicable
 - . pH-value: Not applicable
 - . Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not applicable
 - . Flash point: > 200 °C
 - . Inflammability (solid, gaseous) Not determined
 - . Ignition temperature: > 200 °C
 - . Decomposition temperature: Not determined
 - . Danger of explosion: Product is not explosive.
 - . Critical values for explosion:

Lower:	Not applicable
Upper:	Not applicable
 - . Oxidizing properties Not applicable
 - . Steam pressure: Not applicable
 - . Density at 20 °C ca. 1 g/cm³
 - . Evaporation rate Not applicable
 - . Solubility in / Miscibility with

Water:	Unsoluble
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 - . Partition coefficient (n-octanol/water): Not determined

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- . **Viscosity:**
 - dynamic:** Not applicable
 - kinematic:** Not applicable
- . **9.2 Other information** No further relevant information available.

10 Stability and reactivity

- . **10.1 Reactivity** No hazardous reactions when stored and handled according to instructions.
- . **10.2 Chemical stability**
- . **Thermal decomposition / conditions to be avoided:**
 - Can decompose slowly with localised heating above 150 °C
 - 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:** Danger of toxic pyrolysis products

11 Toxicological information

- . **11.1 Information on toxicological effects**
- . **Acute toxicity:**
- . **Primary irritant effect:**
 - on the skin:** No irritant effect.
 - on the eye:** Void
- . **Additional toxicological information:**
 - In our experience and according to the information provided to us, the product does not have any harmful effects when used and handled according to specification.
- . **Sensitisation** No sensitizing effect known.
- . **Repeated dose toxicity** No further relevant information available.
- . **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
 - No further relevant information available.

12 Ecological information

- . **12.1 Toxicity**
- . **Aquatic toxicity:** No further relevant information available.
- . **12.2 Persistence and degradability** No further relevant information available.
- . **Other information:** Easy elimination possible by flocculation or adsorption by sludge.
- . **12.3 Bioaccumulative potential** No further relevant information available.
- . **12.4 Mobility in soil** No further relevant information available.
- . **Additional ecological information:**
 - According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:**
 - None
- . **12.5 Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **12.6 Other adverse effects** No further relevant information available.

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13 Disposal considerations

. **13.1 Waste treatment methods**

. **Recommendation**

Smaller quantities can be disposed with household garbage.

Can be burnt with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.

. **European waste catalogue**

16 03 06 organic wastes other than those mentioned in 16 03 05

. **Uncleaned packaging:**

. **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Packaging can be reused or recycled after cleaning.

14 Transport information

. **14.1 UN-Number**

. **ADR, IMDG, IATA** Void

. **14.2 UN proper shipping name**

. **ADR, IMDG, IATA** Void

. **14.3 Transport hazard class(es)**

. **ADR, IMDG, IATA**

. **Class** Void

. **14.4 Packing group**

. **ADR, IMDG, IATA** Void

. **14.5 Environmental hazards:** Not applicable.

. **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":** -

15 Regulatory information

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

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 and Regulatory Affairs

. **Contact:** MSDS@icl-pp.com

. **Abbreviations and acronyms:**

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

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

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

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)