



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 30.08.2013

Version number 1

Revision: 12.07.2013

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

- **Product identifier**
- **Trade name:** Reinzoplast 80ml
- **Article number:** 70-24571-20
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the preparation** Non-crosslinking and non-hardening sealant
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Reinz-Dichtungs-GmbH
Reinzstr. 3-7
D-89233 Neu-Ulm
Germany
Tel.: +49-(0)731-7046-0
- **Email competent person:** Email: sdb.qus@dana.com
- **Further information obtainable from:** Department ASU
- **Emergency telephone number:** +49 731 / 7046 - 301

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Information concerning particular hazards for human and environment:** Not applicable.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** 80 ml Tubes
- **Dangerous components:** Void
- **Additional information:** For the wording of the listed risk phrases refer to section 16.



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4 First aid measures

- **Description of first aid measures**
- **General information:** Take affected persons out into the fresh air.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Wash off with soap and water.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
If symptoms persist, consult doctor.
- **After swallowing:**
Rinse mouth with water.
Drink 1-2 glasses of water.
If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** symptomatic treatment

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Formation of toxic gases is possible during heating or in case of fire.
Carbon dioxide (CO₂)
Carbon monoxide (CO)
Hydrogen cyanide (HCN)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Avoid contact with eyes and skin.
Wear protective clothing.
Keep people at a distance and stay on the windward side.
Keep away from ignition sources.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Do not allow to penetrate the ground/soil.

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- **Methods and material for containment and cleaning up:**
Pick up mechanically.
Send for recovery or disposal in suitable receptacles.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Use only in well ventilated areas.
Store in cool, dry place in tightly closed receptacles.
Keep away from heat and direct sunlight.
Avoid contact with eyes and skin.
Keep ignition sources away.
- **Information about fire - and explosion protection:** Observe the general rules of industrial fire protection.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Keep receptacles tightly sealed.
Store cool and dry
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from feedstuff.
Refer to national regulations for storing hazardous chemicals.
- **Further information about storage conditions:** None.
- **Recommended storage temperature:** 5 °C - 35 °C
- **Storage class:** 10-13 other combustible and non-combustible substances
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **DNELs** not available
- **PNECs** not available
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
Remove soiled, soaked clothing and use again only after washing.
- **Respiratory protection:** Not necessary if room is well-ventilated.

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· Protection of hands:

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

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

· Material of gloves

PVC gloves

Rubber gloves

· 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:

Safety glasses with side shields

Goggles recommended during refilling

· Body protection: Protective work clothing

9 Physical and chemical properties

· Information on basic physical and chemical properties**· General Information****· Appearance:****Form:** Paste**Colour:** Blue**· Odour:** Odourless**· Odour threshold:** Not determined.**· pH-value:** Not applicable.**· Change in condition****Melting point/Melting range:** Not determined.**Boiling point/Boiling range:** Not determined.**· Flash point:** > 392 °C (> 738 °F) (> 737, 6 °F)**· Flammability (solid, gaseous):** Not applicable.**· Ignition temperature:** Not determined.**· Decomposition temperature:** Not determined.**· Self-igniting:** Not determined.**· Danger of explosion:** Not determined.**· Explosion limits:****Lower:** Not determined.**Upper:** Not determined.**· Oxidizing properties** Not determined.**· Vapour pressure:** Not determined.**· Density:** Not determined.**· Relative density at 20 °C (68 °F)** 1.18 (68 °F)**· Vapour density at 20 °C (68 °F)** 2 (Luft = 1)**· Evaporation rate** Not determined.

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· Solubility in / Miscibility with water:	not miscible
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic at 20 °C (68 °F):	1000000 mPas
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** The product is stable and not under normal use, storage or transport conditions reactive
- **Chemical stability** The material is stable under normal conditions
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** Heat, flames and sparks. Temperatures above the flash point should be avoided
- **Incompatible materials:**
 - strong oxidant
 - strong leach
- **Hazardous decomposition products:**
 - None if stored according to specifications.
 - In case of fire the formation of following decomposition products is possible.
 - Carbon monoxide and carbon dioxide
 - Hydrogen cyanide (prussic acid)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
 - There are no quantitative data on toxicology of this substance/product.
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritation possible
- **Sensitization:** No sensitizing effects known.
- **Other information (about experimental toxicology):**
 - 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.
- **Additional toxicological information:**
 - The properties of this substance have not been fully investigated. Further hazardous properties cannot be excluded.
 - The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

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GB



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

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
According to appendix 4 of VwVwS dated 27.7.2005 (German regulation)
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Disposal according to local authorities.
Smaller quantities can be disposed of with household waste.
- **Waste disposal key:** The waste code is established in consultation with the regional waste disposer.
- **Uncleaned packaging:**
- **Recommendation:**
Empty containers totally (without drops or grains, cleaned with a spatula). Under observation of the relevant local respectively national regulations re-use or recycling is preferred.
Disposal must be made according to official regulations.

14 Transport information

· UN-Number	
· ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	
· ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· ADR, IMDG, IATA	Void

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- | | |
|--|-----------------|
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals.
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Department ASU
- **Contact:** Department ASU
- **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)
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
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
- **Sources**
A detailed description of the use and properties can be viewed in the Technical Data Sheet. The current issue can be found at www.reinz.com.



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

- **Product identifier**
- **Trade name:** Reinzoplast 300ml
- **Article number:** 70-24575-20
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the preparation** Non-crosslinking and non-hardening sealant
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Reinz-Dichtungs-GmbH
Reinzstr. 3-7
D-89233 Neu-Ulm
Germany
Tel.: +49-(0)731-7046-0
- **Email competent person:** Email: sdb.qus@dana.com
- **Further information obtainable from:** Department ASU
- **Emergency telephone number:** +49 731 / 7046 - 301

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Information concerning particular hazards for human and environment:** Not applicable.
- **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** 300 ml Cartridge
- **Dangerous components:** Void
- **Additional information:** For the wording of the listed risk phrases refer to section 16.



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4 First aid measures

- **Description of first aid measures**
- **General information:** Take affected persons out into the fresh air.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Wash off with soap and water.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
If symptoms persist, consult doctor.
- **After swallowing:**
Rinse mouth with water.
Drink 1-2 glasses of water.
If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** symptomatic treatment

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** No further Information available
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Formation of toxic gases is possible during heating or in case of fire.
Carbon dioxide (CO₂)
Carbon monoxide (CO)
Hydrogen cyanide (HCN)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Avoid contact with eyes and skin.
Wear protective clothing.
Keep people at a distance and stay on the windward side.
Keep away from ignition sources.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Do not allow to penetrate the ground/soil.

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- **Methods and material for containment and cleaning up:**
Pick up mechanically.
Send for recovery or disposal in suitable receptacles.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Use only in well ventilated areas.
Store in cool, dry place in tightly closed receptacles.
Keep away from heat and direct sunlight.
Avoid contact with eyes and skin.
- **Information about fire - and explosion protection:**
No special measures required.
Observe the general rules of industrial fire protection.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Keep receptacles tightly sealed.
Store cool and dry
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Store away from feedstuff.
Refer to national regulations for storing hazardous chemicals.
- **Further information about storage conditions:** None.
- **Recommended storage temperature:** 5 °C - 35 °C
- **Storage class:** 10-13 other combustible and non-combustible substances
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **DNELs** not available
- **PNECs** not available
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
Remove soiled, soaked clothing and use again only after washing.
- **Respiratory protection:** Not necessary if room is well-ventilated.

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· Protection of hands:

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

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

· Material of gloves

PVC gloves

Rubber gloves

· 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:

Safety glasses with side shields

Goggles recommended during refilling

· Body protection: Protective work clothing

9 Physical and chemical properties

· Information on basic physical and chemical properties**· General Information****· Appearance:****Form:** Paste**Colour:** Blue**· Odour:** Odourless**· Odour threshold:** Not determined.**· pH-value:** Not applicable.**· Change in condition****Melting point/Melting range:** Not determined.**Boiling point/Boiling range:** Not determined.**· Flash point:** > 392 °C (> 738 °F) (> 737, 6 °F)**· Flammability (solid, gaseous):** Not applicable.**· Ignition temperature:** Not determined.**· Decomposition temperature:** Not determined.**· Self-igniting:** Not determined.**· Danger of explosion:** Not determined.**· Explosion limits:****Lower:** Not determined.**Upper:** Not determined.**· Oxidizing properties** Not determined.**· Vapour pressure:** Not determined.**· Density:** Not determined.**· Relative density at 20 °C (68 °F)** 1.18 (68 °F)**· Vapour density at 20 °C (68 °F)** 2 (Luft = 1)**· Evaporation rate** Not determined.

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· Solubility in / Miscibility with water:	not miscible
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** The product is stable and not under normal use, storage or transport conditions reactive
- **Chemical stability** The material is stable under normal conditions
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** Heat, flames and sparks. Temperatures above the flash point should be avoided
- **Incompatible materials:**
 - strong oxidant
 - strong leach
- **Hazardous decomposition products:**
 - None if stored according to specifications.
 - In case of fire the formation of following decomposition products is possible.
 - Carbon monoxide and carbon dioxide
 - Hydrogen cyanide (prussic acid)

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
 - There are no quantitative data on toxicology of this substance/product.
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritation possible
- **Sensitization:** No sensitizing effects known.
- **Other information (about experimental toxicology):**
 - 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.
- **Additional toxicological information:**
 - The properties of this substance have not been fully investigated. Further hazardous properties cannot be excluded.
 - The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

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

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
According to appendix 4 of VwVwS dated 27.7.2005 (German regulation)
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Disposal according to local authorities.
Smaller quantities can be disposed of with household waste.
- **Waste disposal key:** The waste code is established in consultation with the regional waste disposer.
- **Uncleaned packaging:**
- **Recommendation:**
Empty containers totally (without drops or grains, cleaned with a spatula). Under observation of the relevant local respectively national regulations re-use or recycling is preferred.
Disposal must be made according to official regulations.

14 Transport information

· UN-Number	
· ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	
· ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· ADR, IMDG, IATA	Void

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- | | |
|--|-----------------|
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

15 Regulatory information

- **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** Void
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Department ASU
- **Contact:** Department ASU
- **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)
 - 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
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - DNEL: Derived No-Effect Level (REACH)
 - PNEC: Predicted No-Effect Concentration (REACH)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
- **Sources**

A detailed description of the use and properties can be viewed in the Technical Data Sheet. The current issue can be found at www.reinz.com.