

Material Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 08.08.2007

Revision: 12.06.2007

1 Identification of substance

- **Product details**
- **Trade name** Injection Resin AC PUR
- **Article number:** 0947
- **Application of the substance / the preparation** Accelerator
- **Manufacturer/Supplier:**
Remmers Baustofftechnik GmbH
Postfach 1255
D-49624 Lönningen / Germany
Tel.: 05432/83-0
Fax: 05432/3985
- **Informing department:**
Product Safety department: Tel.: +49 (0)5432/83-138/-538
E-Mail: sales@remmers.co.uk
- **Emergency information:**
during working hours:
U.K.: Tel.: +44 (0) 845 373 0103
Far East: Tel.: +65(0) 67410277
Head Office Germany: Tel.: +49 (0)5432 83 185
after working hours: Tel.: +49 (0)171/6428-297

2 Hazards identification

- **Hazard designation:**



C Corrosive

- **Information pertaining to particular dangers for man and environment**
R 22 Harmful if swallowed.
R 35 Causes severe burns.
- **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.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** solution of tertiary amines

- **Dangerous components:**

112-69-6	Alkyldimethylamin	C, Xn; R 22-35	40-<60%
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- **Additional information** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **General information**
If symptoms occur or in case of doubt, seek medical attention. In case of unconsciousness, do not administer anything orally.
Immediately remove any clothing soiled by the product.

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- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**
Wash immediately with water and soap and rinse thoroughly.
Do not use solvents or thinners!
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
- **Information for doctor**
- **The following symptoms may occur:** Dizziness

5 Fire fighting measures

- **Suitable extinguishing agents**
Carbon dioxide
Fire-extinguishing powder
Foam
Water spray jet
- **Special hazards caused by the material, its products of combustion or flue gases:**
May be released in case of fire
smoke
Carbon monoxide (CO)
Carbon dioxide
Nitrogen oxides (NOx)
- **Protective equipment:**
Wear self-contained breathing apparatus.
Wear full protective suit.

6 Accidental release measures

- **Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources
Ensure adequate ventilation
Avoid skin contact. Avoid eye contact.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or water bodies.
Do not allow to enter the ground/soil.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Use only in well ventilated areas.
- **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information on storage in a common storage facility:**
Suitable material for containers and pipes: Light metals and their alloys.
- **Further information about storage conditions:**
Keep container tightly closed.
Store dry.

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Protect from frost.
Avoid heating above 50 °C.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with limit values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during compilation were used as a basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
Keep away from food, beverages and animal feed.
Do not eat, drink or smoke while working.
Immediately remove soiled, saturated clothing.
Wash hands before pauses and after work.
Avoid contact with eyes and skin.
Use skin protection cream for preventive skin protection.
Do not inhale gases / vapours / aerosols.
- **Respiratory equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:** Impervious gloves
- **Material of gloves** Chloroprene rubber, CR
- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Tightly sealed safety glasses.
- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

· General Information

Form:	Fluid
Colour:	Pink
Odour:	Amine-like

· Change in condition

Melting point/Melting range: 4°C
Boiling point/Boiling range: > 200°C

· **Flash point:** 160°C

· **Self-inflammability:** Product is not self-igniting.

· **Danger of explosion:** Product is not explosive.

· **Vapour pressure at 20°C:** < 1 mbar

· **Density at 20°C** 0.94 g/cm³

· Solubility in / Miscibility with

Water: Insoluble

· **pH-value:** 13

· **Viscosity:**
dynamic at 20°C: 15 mPas

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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
No decomposition if handled and stored according to specifications.
Avoid: heat, flames, sparks
- **Materials to be avoided:**
Acids
oxidising agent
- **Dangerous reactions** No dangerous reactions known
- **Dangerous decomposition products:** None if used properly.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Strong caustic effect on skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitisation:** No sensitising effect known.
- **Additional toxicological information:**
The product shows the following dangers based on the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
Harmful
Corrosive
Swallowing leads to a strong caustic effect in the mouth and throat and to the danger of perforation of oesophagus and stomach.

12 Ecological information:

- **Information on elimination (persistence and degradability):**
- **Other information:** The product has a biodegradability of > 70%.
- **General notes:**
Water hazard class 1 : slightly hazardous to water.
Do not allow product to reach ground water, bodies of water or sewage system.

13 Notes on disposal:

- **Product:**
- **Recommendation**
Not hardened material must be disposed of as hazardous waste according to official regulations. Hardened product remains may be disposed of as building rubble or put into household garbage.
The given refuse codes are recommendations based upon the intended use of the product. Because of special use and disposal conditions at the user's, other codes may apply under other conditions.

· European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 11	waste paint and varnish containing organic solvents or other dangerous substances

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

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



- **ADR/RID-GGVS/E Class:** 8 (C7) Corrosive substances.
- **Kemler Number:** 80
- **UN-Number:** 2735
- **Packaging group:** II
- **Danger sign:** 8
- **Designation of goods:** 2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Alkyldimethylamin)
- **Limited quantities (LQ)** LQ22
- **Tunnel restriction code** E
- **Remarks:** TREM-Card No. 82

· Maritime transport IMDG/GGVSea:



- **IMDG/GGVSea Class:** 8
- **UN Number:** 2735
- **Label** 8
- **Packaging group:** II
- **EMS Number:** F-A,S-B
- **Correct technical name:** AMINES, LIQUID, CORROSIVE, N.O.S. (Alkyldimethylamin)

· Air transport ICAO-TI and IATA-DGR:



- **ICAO/IATA Class:** 8
- **UN/ID Number:** 2735
- **Label** 8
- **Packaging group:** II
- **Correct technical name:** AMINES, LIQUID, CORROSIVE, N.O.S. (Alkyldimethylamin)

15 Regulatory information

· Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Guidelines / Ordinance on Hazardous Materials (GefStoffV)

· Code letter and hazard designation of product:



C Corrosive

· Hazard-determining components of labelling:

Alkyldimethylamin

· Risk phrases:

22 Harmful if swallowed.
35 Causes severe burns.

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· Safety phrases:

- 2 Keep out of the reach of children.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 28 After contact with skin, wash immediately with plenty of soap and water.
- 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

· National regulations**· Water hazard class:**

Water hazard class 1: slightly hazardous to water.
according to appendix 4 VwVwS

16 Other information:

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship.
Delivery specifications are found in the respective Technical Information Sheets.

· Relevant R-phrases

- 22 Harmful if swallowed.
- 35 Causes severe burns.

· Department issuing data specification sheet: Product Safety department

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