

## SAFETY DATA SHEET PURSUANT TO REGULATION (EC) NO. 1907/2006

### SECTION 1. DESIGNATION OF THE SUBSTANCE AND/OR COMPOUND AND OF THE COMPANY

#### 1.1 Product identifier

Epoxy rapid adhesive resin, Art.-Nr.: 30067

#### 1.2 Relevant identified uses of the substance or compound and uses advised against Recommended use(s)

2-component epoxy resins - resin component



#### 1.3 Details of the supplier providing the safety data sheet

RUNPOTEC GmbH | Irlachstraße 31 | A-5303 Thalgau  
Tel.: +43-6235-20335 | Fax: +43-6235-20335-35  
office@runpotec.com | www.runpotec.com

#### 1.4 Emergency phone number

TOXINS EMERGENCY PHONE NUMBER/TRANSPORT EMERGENCY PHONE NUMBER

Austria, Switzerland, Luxembourg (24h): Tel: +49 69 22225285 (German, English)

Numéro d'appel d'urgence en cas d'intoxication/d'accident - Suisse, Luxembourg (24h): Tel: +33 1 7211 0003 (Français)

### SECTION 2: POTENTIAL RISKS

#### 2.1. Classification of the substance or mixture

Safety data sheet pursuant to regulation (EC) no 1272/2008 [CLP/GHS]

| Hazard classes and categories | Hazards | Classification methods |
|-------------------------------|---------|------------------------|
| Skin Irrit. 2                 | H315    |                        |
| Eye Irrit. 2                  | H319    |                        |
| Skin Sens. 1                  | H317    |                        |
| Aquatic Chronic 2             | H411    |                        |

#### Hazards

|      |                                                     |
|------|-----------------------------------------------------|
| H315 | Causes skin irritations                             |
| H317 | Can cause allergic skin reactions.                  |
| H319 | Causes serious eye irritation.                      |
| H411 | Toxic to aquatic organisms, with long-term effects. |

#### 2.2. Marking elements

Marking pursuant to regulation (EC) no 1272/2008 [CLP/GHS]



GHS07



GHS09

#### Signal word

ATTENTION!

#### Hazards

|      |                                                     |
|------|-----------------------------------------------------|
| H315 | Causes skin irritations                             |
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**Epoxy rapid adhesive resin | Art. no.: 30067****Safety information**

|                    |                                                                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| P102               | Keep out of reach of children!                                                                                                                   |
| P261               | Avoid inhalation of dust/fumes/gas/mist/vapour/spray.                                                                                            |
| P264               | Clean hands thoroughly after use.                                                                                                                |
| P272               | Do not wear contaminated work clothing outside the workplace.                                                                                    |
| P273               | Avoid releasing into the environment.                                                                                                            |
| P302 + P352        | IN CASE OF CONTACT WITH SKIN: Wash with plenty of water/soap.                                                                                    |
| P305 + P351 + P338 | IN CASE OF CONTACT WITH THE EYES: Rinse gently with water for a few minutes. If possible, remove any contact lenses. Continue to rinse the eyes. |
| P332 + P313        | In case of skin irritation: Get medical advice/seek medical attention.                                                                           |
| P337 + P313        | If eye irritation persists: Get medical advice/seek medical attention.                                                                           |
| P362               | Remove contaminated clothing.                                                                                                                    |
| P363               | Wash contaminated clothing before wearing again.                                                                                                 |
| P391               | Absorb spilled quantities.                                                                                                                       |
| P501               | Dispose of contents/container as problematic waste.                                                                                              |

**Hazard-determining components of labelling**

Bisphenol-F-epichlorohydrin, epoxy resin with average molecular weight < 700; reaction product: Bisphenol-A-epichlorohydrin, epoxy resin with average molecular weight <= 700

**Special requirements for supplementary marking elements for certain compounds**

Contains epoxy constituents. Can cause allergic reactions.

**2.3. Other hazards****Results of PBT and vPvB assessment**

The substances in the compound do not meet the PBT/vPvB criteria according to REACH, Annex XIII.

**SECTION 3: Composition/Details on components****3.1. Substances**

not applicable

**3.2. Description of compounds**

Resin for two-component epoxy adhesiv

**Hazardous ingredients**

| CAS-Nr.    | EG-N..    | Description                                                                                  | (% by weight) | Classification according to Regulation (EC) no. 1272/2008 [CLP/GHS]                     |
|------------|-----------|----------------------------------------------------------------------------------------------|---------------|-----------------------------------------------------------------------------------------|
| 25068-38-6 | 500-033-5 | reaction product: Bisphenol-A-epichlorohydrin resins with an average molecular weight <= 700 | 70-90         | Eye Irrit. 2, H319 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411 |
| 28064-14-4 | 608-164-0 | Bisphenol-F-epichlorohydrin resins with an average molecular weight of < 700                 | 1-10          | Eye Irrit. 2, H319 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411 |

**REACH**

| CAS-Nr.    | Designation                                                                                        | REACH Registrierno: |
|------------|----------------------------------------------------------------------------------------------------|---------------------|
| 25068-38-6 | Reaction production: Bisphenol-F-epichlorohydrin, epoxy resin with average molecular weight <= 700 | 01-2119456619-26    |
| 28064-14-4 | Bisphenol F epichlorohydrin resins with an average molecular weight of < 700                       |                     |

**SECTION 4. First aid measures****4.1. Description of first aid measures**

**Epoxy rapid adhesive resin | Art. no.: 30067**

**General information**

Remove soiled, soaked clothing and keep at safe distance

**After inhaling**

Ensure there is fresh air. In case of complaints, seek medical treatment.

**After skin contact**

Wash your hands with water and soap after you have been in contact with the product. Seek medical aid if skin irritation persists.

**After eye contact**

In case of contact with eyes, rinse under running water for 15 minutes. Transfer to a hospital for examination by a specialist.

**After swallowing**

Do not induce vomiting. Seek medical advice immediately.  
Rinse out your mouth and drink a large amount of water.

**4.2 Most important acute or delayed symptoms and effects**

**Advice for the doctor / Possible symptoms**

Vomiting, breathing difficulty, nausea, dizziness, irritation of the skin

**4.3 Notes on immediate medical assistance or special treatment notes for the doctor / treatment notes**

Medical surveillance for at least 48 hours. Symptoms usually appear after several hours

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**ABSCHNITT 5. Fire fighting measures**

**5.1 Extinguishing media**

**Suitable extinguishing media**

Alcohol-resistant foam  
Dry extinguishing media  
Carbon dioxide  
Water spray jet

**Unsuitable extinguishing agents**

Full jet of water

**5.2 Special hazards arising from the substance or mixture**

Formation of hazardous gases possible in case of fire. Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide (CO) Carbon dioxide (CO<sub>2</sub>)

**5.3 Advice for firefighters**

**Special fire fighting equipment**

Extinguishing, rescue and clean-up work under the influence of fire or smouldering gases may only be carried out with heavy respiratory protection. Do not inhale explosive and incendiary gases.

**5.4 Other notes**

Cool endangered containers with water spray jet.

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**ABSCHNITT 6. Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures - Staff not trained for emergencies**

Ensure adequate ventilation. Use personal protective clothing.  
Use respiratory protection when exposed to vapour/dust/aerosol.

**6.2 Environmental precautions**

Inform appropriate authorities in case of pollution of water bodies or sewage system. Do not allow product to reach sewage system/bodies of water/groundwater.

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Do not allow product to enter groundwater/soil.

**6.3 Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g., sand, sawdust). Dispose of the absorbed material in line with regulations.

**6.4 Reference to other sections**

Safe handling: See section 7

Disposal: see section 13

Personal protective equipment: See section 8

## **ABSCHNITT 7. Handling and storage**

**7.1 Protective measures for safe handling**

**Notes on safe handling**

Avoid formation of aerosols.

Ensure good ventilation of the room; if necessary use extraction at the workplace.

**General protection measures**

Avoid eye and skin contact.

Do not inhale gases/vapours/aerosols.

**Hygiene measures**

Do not smoke, eat or drink while working.

Immediately remove soiled, impregnated clothing.

Wash hands before taking breaks or when finishing work.

**Notes concerning fire and explosion protection**

Observe the general rules of preventive operational fire protection.

**7.2 Conditions for safe storage under consideration of incompatibilities Requirements for storage rooms and containers**

Keep in original containers and tightly closed.

**Information on storage in a shared storage facility**

Do not store together with acids or alkalis.

Do not store together with animal feed.

Do not store together with foods.

Do not store together with oxidising agents.

**Further information about storage conditions**

Protect from direct sunlight.

Keep container in cool and well-ventilated place.

Store in a dry place.

Protect from heating/overheating.

**Storage class**

10

**7.3 Specific end-uses**

**Recommendation(s) for specific use**

See section 1.2

## **ABSCHNITT 8. Limiting and monitoring exposure/personal protective equipment**

**8.1 Parameters to be monitored**

Components with workplace related threshold values subject to monitoring

**Epoxy rapid adhesive resin | Art. no.: 30067**

| CAS-Nr.    | Designation                                                                           | Type          | [mg/m³] | [ppm] | Peak load | Comment |
|------------|---------------------------------------------------------------------------------------|---------------|---------|-------|-----------|---------|
| 25068-38-6 | Reaction product: Bisphenol-A-Epichlorohydrin resins with avg. Molecular weight <=700 | DNEL, 8 hours | 12,25   |       |           |         |

**DNEL-/PNEC-values****DNEL Employee**

| CAS-Nr.    | Material                                                                                     | Value               | Type                                 | Comment |
|------------|----------------------------------------------------------------------------------------------|---------------------|--------------------------------------|---------|
| 25068-38-6 | Reaction product: Bisphenol-A-Epichlorohydrin resins with an average molecular weight <= 700 | 8,33 mg / kg bw/day | DNEL long-term dermal (lokal)        |         |
|            |                                                                                              | 8,33 mg/kg bw/day   | DNEL long-term dermal (systemic)     |         |
|            |                                                                                              | 12,25 mg/m³         | DNEL long-term inhalation (systemic) |         |

**PNEC**

| CAS-Nr.    | Material                                                                                     | Value        | Type                          | Comment |
|------------|----------------------------------------------------------------------------------------------|--------------|-------------------------------|---------|
| 25068-38-6 | Reaction product: Bisphenol-A-Epichlorohydrin resins with an average molecular weight <= 700 | 11 mg/kg     | PNEC secondary poisoning      |         |
|            |                                                                                              | 0,018 mg/l   | PNEC Waters, periodic release |         |
|            |                                                                                              | 0,0996 mg/kg | PNEC sediment, sea water      |         |
|            |                                                                                              | 0,006 mg/l   | PNEC waters, fresh water      |         |
|            |                                                                                              | 0,006 mg/l   | PNEC waters, sea water 10     |         |
|            |                                                                                              | 10 mg/l      | PNEC sewage treatment plant   |         |
|            |                                                                                              | 0,996 mg/kg  | PNEC sediment, fresh water    |         |

**8.2 Limiting and monitoring exposure respiratory****Protection**

In case of inadequate ventilation wear respiration equipment. Respiratory protection in case of aerosol or mist formation. Short-term filter unit, Filter AX.

**Hand protection**

It is recommended to verify the chemical resistance of the above mentioned protective gloves for special applications by contacting the glove manufacturer.

Information on glove material [type/type, thickness, penetration time/wear duration, wetting strength]: Natural latex; 0.6mm; 480min; 60min; e.g. „Lapren 706“ by KCL, email: Vertrieb@kcl.de

Chemical protection gloves must be selected specifically for the workplace depending on the concentration and quantity of hazardous substances.

**Eye protection**

Tightly sealing protective goggles

**Other protective measures**

Work protective clothing

**Suitable technical control equipment**

Sufficient aeration and ventilation

**Epoxy rapid adhesive resin | Art. no.: 30067****ABSCHNITT 9. Physical and chemical properties****9.1 Information on the basic physical and chemical properties**

Appearance liquid  
 Colour yellow, clear  
 Odour faintly perceptible

**Odour threshold**

not determined

**Important health, safety and environmental information**

|                                                    | Value                   | Temperature | for | Method | Comment                          |
|----------------------------------------------------|-------------------------|-------------|-----|--------|----------------------------------|
| pH-value                                           | not determined          |             |     |        |                                  |
| Boiling point                                      | > 200 ° C               |             |     |        |                                  |
| Melting point /freezing point                      | not determined          |             |     |        |                                  |
| Ignition point                                     | > 150 °C                |             |     |        |                                  |
| Evaporation rate                                   | not determined          |             |     |        |                                  |
| Flammability (solid)                               | not determined          |             |     |        |                                  |
| Flammability (gaseous)                             | not determined          |             |     |        |                                  |
| Ignition temperature                               | not determined          |             |     |        |                                  |
| Self-ignition temperature                          |                         |             |     |        | The product does not self-ignite |
| Lower explosion limit                              | not determined          |             |     |        |                                  |
| Upper explosion limit                              | not determined          |             |     |        |                                  |
| Vapour pressure                                    | not determined          |             |     |        |                                  |
| Relative density                                   | 1,17 g/ cm <sup>3</sup> | 20 ° C      |     |        |                                  |
| Vapour density                                     | not determined          |             |     |        |                                  |
| Solubility in water                                |                         |             |     |        | not soluble                      |
| Solubility / Other                                 | not determined          |             |     |        |                                  |
| Distribution coefficient Octanol/Water (log P O/W) | not determined          |             |     |        |                                  |
| Decomposition temperature                          | not determined          |             |     |        |                                  |
| Kinematic viscosity                                | 8000 - 15000 mPa*s      | 25 ° C      |     |        |                                  |
| Dynamic viscosity                                  | not determined          |             |     |        |                                  |

**Oxidising properties**

Information not provided.

**Explosive properties**

Information not provided

**9.2 Other information**

Information not provided

**ABSCHNITT 10 Stability and reactivity****10.1 Reactivity**

Information not provided.

**Epoxy rapid adhesive resin | Art. no.: 30067****10.2 Chemical stability**

The product is chemically stable under the recommended storage, use and temperature conditions.

**10.3 Possibility of dangerous reactions**

Reactions with strong acids.

Reactions with strong alkalis and oxidising agents.

**10.4 Conditions to be avoided**

Thermal decomposition can lead to the release of irritant gases and vapours. Keep away from heat.

**10.5 Incompatible materials Substances to avoid**

Alkalis, concentrated acid, concentrated oxidising agent, strong

**10.6 Hazardous decomposition products**

Gases/vapours,

toxic nitrogen

oxides (NO<sub>x</sub>)

Carbon monoxide and carbon dioxide

**10.7 Thermal decomposition**

Comment: No decomposition when used as directed.

**ABSCHNITT 11. Toxicological information****11.1 Information on toxicological effects Acute****toxicity/irritant effect/sensitisation**

|                      | Value/ evaluation | Species | Method | Comment         |
|----------------------|-------------------|---------|--------|-----------------|
| LD 50 acute oral     | 11400 mg/kg       | rat     |        | CAS: 25068-38-6 |
| LD 50 acute dermal   | > 20 ml/kg        | rabbit  |        | CAS: 25068-38-6 |
| Irritant effect skin | irritant          |         |        |                 |
| Irritant effect eye  | irritant          |         |        |                 |
| Skin sensitisation   | sensitising       |         |        |                 |

**Subacute toxicity - carcinogenicity**

|                       | Value | Species | Method | Comment                                                                      |
|-----------------------|-------|---------|--------|------------------------------------------------------------------------------|
| Mutagenicity          |       |         |        | No experimental evidence of genotoxicity in vitro present.                   |
| Reproductive toxicity |       |         |        | No evidence of reproductive toxic effects was observed in animal experiments |
| Carcinogenicity       |       |         |        | There are no indications of cancerogenic effects from long-term experiments  |

**Practical experience**

Sensitisation by skin contact possible.

Skin and eye irritant.

**General remarks**

The product must be handled with the usual care for chemicals. Further dangerous properties cannot be excluded.

**ABSCHNITT 12. Environmental information****12.1 Toxicity**

Information not provided.

**12.2 Persistence and degradability**

|                  | Degree of elimination | Analysis method | Method | Evaluation     |
|------------------|-----------------------|-----------------|--------|----------------|
| Biodegradability |                       |                 |        | not degradable |

**12.3 Bioaccumulation potential**

Minor bioaccumulation potential

**12.4 Mobility in the ground**

Information not provided.

**12.5 Results of PBT and vPvB assessment**

The substances in the compound do not meet the PBT/vPvB criteria according to REACH, Annex XIII.

**12.6 Other damaging effects****! General Information**

Toxic to aquatic organisms, with long-term effects. Do not allow product to enter the environment in an uncontrolled manner. The product must not be discharged into bodies of water, sewage systems or sewage treatment plants. The ecotoxicity of the product has not been tested. The statement was derived from products of similar structure or composition.

**ABSCHNITT 13. Notes on disposal****13.1, Waste treatment process****Recommendation for the product**

Hardened material is inert and can be disposed of as construction waste.

Disposal in accordance with local regulations.

**Recommendation for packaging**

Disposal in line with regulations.

Non-contaminated packaging can be treated as household waste

**General Information**

The assignment of the waste code numbers/waste designations must be carried out in accordance with EAKV for specific industries and processes.

**ABSCHNITT 14. Transport instructions**

|                                | ADR/RID                                                              | IMDG                                                                         | IATA-DGR                                                                      |
|--------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| 14.1. UN-number                | 3082                                                                 | 3082                                                                         | 3082                                                                          |
| 14.2. Correct UN shipping name | Umweltgefährdende R Stoff, Flüssig, N.A.G. (Bisphenol A Epoxa Hartz) | Environmentally Hazardous substance, Liquid, N.O.S (Bisphenol A Epoxy Resin) | Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A Epoxy Resin) |
| 14.3. Transport hazard classes | 9                                                                    | 9                                                                            | 9                                                                             |
| 14.4. Packaging group          | III                                                                  | III                                                                          | III                                                                           |

**Epoxy rapid adhesive resin | Art. no.: 30067**

|                             | ADR/RID | IMDG | IATA-DGR |
|-----------------------------|---------|------|----------|
| 14.5. Environmental hazards | yes     | yes  | yes      |

**14.6 Special precautions for the user**

Information not provided.

**14.7. Transport in bulk in accordance with Annex II of MARPOL 73/78 and the IBC Code**

not applicable

**Land transport ADR/RID (GGVSEB)**

Hazard label 9 Tunnel restriction code E

Classification code M6

**Maritime transport IMDG (GGVSee)**

Marine POLLUTANT

**Further transport instructions**

Marine pollutant: NO

**ABSCHNITT 15. Legal provisions****15.1 Safety, health and environmental protection/legislation specific to the substance or compound****VOC Directive**

VOC content 0 %

**National regulations****Information on employment restrictions**

Observe employment restrictions for young people.

Observe employment restrictions for expectant and breastfeeding mothers.

The national laws concerning employment restrictions must be observed.

**Other regulations, restrictions and prohibition ordinances**

Note: TRGS 540 „Sensitising Substances“

ZH 1/301 „Data sheet: Polyester and epoxy resins (M 023)“

**Water hazard class**2 AwSV Annex 1 para. 5 -  
clear hazard to water**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this compound have not been carried out.

**ABSCHNITT 16. Other information****16.1 Recommended use and restrictions**

Existing national and local laws regarding chemicals must be observed. Nur für den gewerblichen Gebrauch. /  
For industrial use only.

**16.2 Additional information**

The national special regulations must be implemented by each user on their own responsibility!

This information is based on our current knowledge and is intended to describe the product with regard to the safety precautions to be taken. It does not constitute a warranty of the properties of the described product. Please note additional information! -- Our safety data sheets have been prepared according to the valid EU directives, WITHOUT consideration of the special national regulations for handling hazardous substances and chemicals.

**Epoxy rapid adhesive resin | Art. no.: 30067**

Change notes: „!“ = Data changed compared with previous version.

- H315 Causes skin irritations
- H317 Can cause allergic skin reactions.
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic organisms, with long-term effects.