

## 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 curing agent, Item no.: 30067

#### 1.2 Relevant identified uses of the substance or compound and uses advised against

##### Recommended use(s)

2-component epoxy resins - curing agent 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

Emergency information services / public advisory office:

Austria: Vergiftungsinformationszentrale der Gesundheit Österreich GmbH, Wien.

NOTRUF Tel.: 01 406 43 43 (von außerhalb Österreichs Tel.: +43 1406 43 43)

Switzerland: Tox Info Suisse, Freiestrasse 16, CH-8032 Zürich. Nationale 24h-Notfallnummer: 145

### SECTION 2: POTENTIAL RISKS

#### 2.1 Classification of the substance or compound

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. 1B	H317	
Aquatic Chronic 3	H412	

##### Hazards

H315

Causes skin irritations

H317

Can cause allergic skin reactions

H319

Causes serious eye irritation.

H412

Damaging to aquatic organisms, with long-term effects.

#### 2.2 Marking elements

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



GHS07

##### Signal word

Attention!

##### Hazards

H315

Causes skin irritations

H317

Can cause allergic skin reactions

H319

Causes serious eye irritation

H412

Damaging to aquatic organisms, with long-term effects

**Epoxyd-rapid adhesive curing | Item 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
P280	Wear protective gloves/eye protection
P302 + P350	IN CASE OF CONTACT WITH SKIN: Wash carefully 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. If you feel unwell, call TOXIN INFORMATION CENTRE/doctor
P312	In case of skin irritation: Get medical advice/seek medical attention
P332 + P313	In case of skin irritation or rash: Get medical advice/seek medical attention
P333 + P313	If eye irritation persists: Get medical advice/seek medical attention
P337 + P 313	Remove contaminated clothing and wash before wearing again
P362 + P364	Dispose of contents/container as problematic waste
P501	

**Hazard-determining components of labelling**

1,3-Bis[3-(dimethylamino)propyl]urea, 3-[3-(3-hydroxypropoxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propane-1-ol; 3- sulfanylpropane-1,2-diol

**2.3. Other hazards**

Results of PBT and vPvB assessment

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

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

not applicable

**3.2. Description of compounds**

Curing agent for a two-component epoxy adhesive (formulated polyaminoamide)

**Hazardous ingredients (continued)**

CAS-No.	EG-no.	Designation	(Weight %)	Safety data sheet pursuant to regulation (EC) no 1272/2008 [CLP/GHS]
72244-98-5	615-735-8	[3-(3-hydroxypropoxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propan-1-ol; 3-sulfanylpropane-1,2-diol	70 - 90	Skin Sens. 1B, H317 / Aquatic Chronic 3, H412
52338-87-1	257-861-2	1,3-Bis[3-(dimethylamino)propyl]harnstoff	10 - 30	Skin Irrit. 2, H315 / Eye Irrit. 2, H319

**REACH**

CAS-Nr.	Designation	REACH Registration no.
72244-98-5	[3-(3-hydroxypropoxy)-2,2-bis[(3-hydroxypropoxy)methyl]propoxy]propan-1-ol; 3-sulfanylpropane-1,2-diol	01-2120118957-46
52338-87-1	1,3-Bis[3-(dimethylamino)propyl]harnstoff	01-2120781639-37

## SECTION 4. First aid measures

### 4.1. Description of first aid measures general Allgemeine Hinweise

Immediately remove soiled, impregnated clothing

#### 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, Headaches, Nausea, Dizziness, Skin irritation

### 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.

## SECTION 5: Fire fighting measures

### 5.1. Extinguishing agents Suitable extinguishing agents

alcohol-resistant foam

Dry extinguishing agent

Carbon dioxide

Water spray jet

Unsuitable extinguishing agents

Full jet of water

### 5.2. Special hazards arising from the substance or compound

Formation of dangerous gases possible in case of fire.

### 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.

#### Other notes

Cool endangered containers with water spray jet. Contaminated extinguishing water must be collected separately and must not be discharged into the sewer system.

## SECTION 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.

Keep away from ignition sources.

Use respiratory protection when exposed to vapour/dust/aerosol.

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**6.2. Environmental precautions**

Do not allow product to reach sewage system/bodies of water/groundwater. 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

## **SECTION 7: HANDLING AND STORAGE**

**7.1. Protective measures for safe handling Notes on safe handling**

Ensure good ventilation of the room; if necessary use extraction at the workplace. Open and handle container with care!

**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**

Store only in the original container.

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

Do not store together with strong oxidising agents. Do not store together with animal feed.

Do not store together with foods.

**Further information about storage conditions**

Keep container tightly sealed and in cool and well-ventilated place. Protect from direct sunlight.

Store in a dry place.

Storage class

10

**7.3. Specific end uses**

**Recommendation(s) for specific use**

See Section 1.2.

**SECTION 8: LIMITING AND MONITORING EXPOSURE/PERSONAL PROTECTIVE EQUIPMENT****8.1. Parameters to be monitored****Additional notes**

National and local regulations must be observed. Occupational exposure limit values according to the RCP method were considered and included in the AGW table (where applicable).

**8.2. Limiting and monitoring exposure respiratory protection**

In case of inadequate ventilation wear respiration equipment.

Short-term filter unit, AX filter, otherwise self-contained breathing apparatus.

**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]: Nitrile, 0.4 mm, 60 min, 480 min. e.g. „Camatril Profi“ 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

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on the basic physical and chemical properties**

Appearance liquid  
 Colour: yellow, clear  
 Odour: characteristic

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	for	Method	Comment
pH-Value	not determined				
Boiling point	not determined				
Melting point / Freezing point	not determined				
Ignition point	> 93 °C				
Evaporation rate	not determined				
Flammability (solid)	not determined				
Flammability (gaseous)	not determined				
Ignation temperature	not determined				
Self-ignition temperature					The product does not self-ignite
Lower explosion limit	not determined				
Upper explosion limit	not determined				

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	Value	Temperature	for	Method	Comment
Vapour pressure	not determined				
Relative density	ca. 1,12 g/ cm3				
Vapour density	not determined				
Solubility in water					not soluble
Solubility / other	not determined				
Distribution coefficient in Octanol/Water (log P O/W)	not determined				
Decomposition temperature	not determined				
Kinematic viscosity	15000 mPa*s				
Dynamic viscosity	not determined				

### Oxidising properties.

Information not provided.

### Explosive properties

Information not provided.

### 9.2.Other information

Information not provided.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Information not provided.

### 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 oxidising agents.

### 10.4. Conditions to be avoided

Keep away from heat.

### 10.5. Incompatible materials Substances to avoid

Reactions with strong oxidising agents.

### 10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide, toxic gases/vapours

### Thermal decomposition

Comment

No decomposition when used as directed.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects Acute toxicity/irritant effect/sensitisation**

	Value /evaluation	Species	Method	Comment
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. Irritating to mucous membranes.  
 Skin and eye irritant

**General remarks**

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

**SECTION 12: ENVIRONMENTAL INFORMATION****12.1. Toxicity**

Information not provided.

**12.2. Persistence and degradability**

	Degree of elimination	Analysis method	Method	Evaluation
Biodegradability				degradable

**12.3. Bioaccumulation potential**

No bioaccumulation

**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 hazard criteria according to REACH, Annex XIII.

**12.6. Other damaging effects****General information**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. 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 made on the basis of information in literature.

SECTION 13: NOTES ON DISPOSAL

13.1. Waste treatment process

Recommendation for the product

Disposal in accordance with local regulations.

Recommendation for packaging

Disposal in line with regulations.  
Non-contaminated packaging can be treated as household waste. Packaging that cannot be cleaned must be disposed of in the same way as the substance.

General Information

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

SECTION 14: TRANSPORT INSTRUCTIONS

	ADR/RID	IMDG	IATA-DGR
14.1. UN-Number	-	-	-
14.2. Correct UN shipping name	-	-	-
14.3. Transport hazard classes	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

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

! Further transport instructions

Not classified as dangerous goods within the meaning of transport regulations - ADR/RID (GGVSEB), IMDG (GGV-See), ICAO/IATA-DGR.

SECTION 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 breast-feeding mothers.

The national laws concerning employment restrictions must be observed.

! Other regulations, restrictions and prohibition ordinances

Note: TRGS 540 „Sensitising Substances“

ZH 1/129 „Data sheet: Irritant substances/corrosive substances (M 004)“ ZH 1/301 „Data sheet: Polyester and epoxy resins (M 023)“

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**Water hazard class**

2 AwSV Annex 1 para. 5  
Clear hazard to waters

**Major Accidents Ord**

Major Accidents Ordinance, Annex I: not cited.

**15.2. Chemical safety assessment**

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

**SECTION 16: OTHER INFORMATION**

**Recommended use and restrictions**

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

**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.

H317 Can cause allergic skin reactions.  
H319 Causes serious eye irritation.  
H412 Damaging to aquatic organisms, with long-term effects.

Safety data sheet pursuant to regulation (EG) No. 1907/2006 (REACH)

Revised on | Version: 22.08.19 | 0003  
Replace version dated | Version: 10.02.2017 | 0001  
Valid from: 22.08.2019



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