

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 2225285 (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
H317 Can cause allergic skin reactions.
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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

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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

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_x)
Carbon monoxide (CO) Carbon dioxide (CO₂)

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.

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

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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

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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/ cm3	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.

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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 (NOx)
 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

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	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.

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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.