

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)



Aloglue NTJ Hardener

Version: 1 / GB

Replaces Version: - / GB

Print date: 18.03.2015

Date revised: 18.03.2015

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

1.1. Product identifier

Trade name: Aloglue NTJ Hardener

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Hardener, 2K-Epoxy system

1.3. Details of the supplier of the safety data sheet

Firm

JELN Imprägnierung GmbH
Vogelsrather Weg 25
41366 Schwalmtal
GERMANY
Telephone: +49 2161 898857
Telefax: +49 2161 898847
Website: www.jeln.de
E-mail: info@jeln.de

Information contact

Dr. Pluta, Tel.: +49 2161 898857
Only available during office hours.

1.4. Emergency telephone number

+49 228 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Skin Corr. 1B	H314
Eye Dam. 1	H318
Skin Sens. 1	H317
Acute Tox. 4	H302
Aquatic chronic 2	H411

Classification in accordance with EC directives 1999/45/EC and 67/548/EEC

Classification	C, R34
	R43
	Xn, R22
	N, R51/53

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

Hazard pictograms

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Signal word

Danger

Hazard statements

- | | |
|------|--|
| H314 | Causes severe skin burns and eye damage. |
| H317 | May cause an allergic skin reaction. |
| H302 | Harmful if swallowed. |
| H411 | Toxic to aquatic life with long lasting effects. |

Precautionary statements

- | | |
|----------------|--|
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P315 | Get immediate medical advice/attention. |
| P501 | Dispose of contents/container to hazardous or special waste collection point. |

Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols



corrosive



Dangerous for the environment

R phrases

- | | |
|--------|---|
| R22 | Harmful if swallowed. |
| R34 | Causes burns. |
| R43 | May cause sensitization by skin contact. |
| R51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

S phrases

- | | |
|-----------|---|
| S24 | Avoid contact with skin. |
| S26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| S36/37/39 | Wear suitable protective clothing, gloves and eye/face protection. |
| S45 | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). |
| S57 | Use appropriate container to avoid environmental contamination. |
| S60 | This material and its container must be disposed of as hazardous waste. |
| S61 | Avoid release to the environment. Refer to special instructions/Safety data sheets. |

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Hazardous component(s) to be indicated on label

contains

3-Aminomethyl-3,5,5-trimethylcyclohexylamine; Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines; 3-Aminopropyldimethylamine; 4,4'-Isopropylidenediphenol; 2-Piperazin-1-ylethylamine; m-Phenylenebis(methylamine)

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous ingredients****Benzyl alcohol**

CAS No. 100-51-6

EINECS no. 202-859-9

Concentration >= 10 < 25 %

Classification (Directive 67/548/EEC)

Classification Xn, R20/22

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H332

Acute Tox. 4 H302

3-Aminomethyl-3,5,5-trimethylcyclohexylamine

CAS No. 2855-13-2

EINECS no. 220-666-8

Concentration >= 1 < 10 %

Classification (Directive 67/548/EEC)

Classification Xn, R21/22

C, R34

R43

R52/53

Classification (Regulation (EC) No. 1272/2008)

Skin Corr. 1B H314

Skin Sens. 1 H317

Acute Tox. 4 H302

Acute Tox. 4 H312

Aquatic Chronic 3 H412

Fatty acids, C18-unsatd., dimers, reaction products with polyethylenepolyamines

CAS No. 68410-23-1

EINECS no. 614-452-7

Concentration >= 25 < 50 %

Classification (Directive 67/548/EEC)

Classification Xi, R38-R41

N, R51/53

R43

Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2 H315

Skin Sens. 1 H317

Eye Dam. 1 H318

Aquatic chronic 2 H411

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Salicylic acid

CAS No. 69-72-7

EINECS no. 200-712-3

Concentration \geq 1 < 10 %

Classification (Directive 67/548/EEC)

Classification Xn, R22
Xi, R36

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H302

Eye Irrit. 2 H319

3-Aminopropyltriethoxysilane

CAS No. 919-30-2

EINECS no. 213-048-4

Concentration \geq 1 < 10 %

Classification (Directive 67/548/EEC)

Classification Xn, R22
C, R34

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H302

Skin Corr. 1B H314

3-Aminopropyldimethylamine

CAS No. 109-55-7

EINECS no. 203-680-9

Concentration \geq 1 < 10 %

Classification (Directive 67/548/EEC)

Classification Xn, R22
C, R34
R10
R43

Classification (Regulation (EC) No. 1272/2008)

Skin Corr. 1B H314

Skin Sens. 1 H317

Acute Tox. 4 H302

Flam. Liq. 3 H226

4,4'-Isopropylidenediphenol

CAS No. 80-05-7

EINECS no. 201-245-8

Concentration \geq 1 < 10 %

Classification (Directive 67/548/EEC)

Classification Repr.Cat.3, R62
Xi, R37-R41
R43
R52

Classification (Regulation (EC) No. 1272/2008)

Repr. 2 H361f

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Eye Dam. 1	H318
Skin Sens. 1	H317
STOT SE 3	H335

2-Piperazin-1-ylethylamine

CAS No. 140-31-8

EINECS no. 205-411-0

Concentration >= 1 < 10 %

Classification (Directive 67/548/EEC)

Classification	Xn, R21/22
	C, R34
	R43
	R52/53

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302
Acute Tox. 4	H312
Skin Corr. 1B	H314
Skin Sens. 1	H317
Aquatic Chronic 3	H412

2,4,6-Tris-(dimethylaminomethyl)-phenol

CAS No. 90-72-2

EINECS no. 202-013-9

Concentration >= 1 < 10 %

Classification (Directive 67/548/EEC)

Classification	Xn, R22
	Xi, R36/38

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302
Eye Irrit. 2	H319
Skin Irrit. 2	H315

m-Phenylenebis(methylamine)

CAS No. 1477-55-0

EINECS no. 216-032-5

Concentration >= 1 < 10 %

Classification (Directive 67/548/EEC)

Classification	Xn, R20/22
	C, R34
	R43
	R52/53

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H332
Skin Corr. 1B	H314
Acute Tox. 4	H302
Skin Sens. 1	H317
Aquatic Chronic 3	H412

Other information

Complete text of H/R-phrases in Chapter 16.

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of persistent symptoms consult doctor. Wear protective gloves/protective clothing/eye protection.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Rinse out mouth and give plenty of water to drink. Summon a doctor immediately.

4.2. Most important symptoms and effects, both acute and delayed

Allergic symptoms, Skin corrosion/irritation, Serious eye damage/irritation

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / treatment

Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, Dry powder, Carbon dioxide, Water spray jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO), Carbon dioxide (CO₂), Nitrogen oxides (NO_x), Corrosive gases/vapours

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Collect contaminated fire-fighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid breathing vapours. High risk of slipping due to leakage/spillage of product.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

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Pick up with absorbent material. Clean contaminated floors and objects thoroughly, observing environmental regulations. Dispose of as prescribed.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Ensure adequate ventilation. Isolate from sources of heat, sparks and open flame.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container.

Hints on storage assembly

Do not store together with: Acids, Oxidising agents

Storage class according to TRGS 510 (Germany)

Storage class according to TRGS 510	8A	Combustible corrosive hazardous substances
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Further information on storage conditions

Keep container tightly closed and dry.

7.3. Specific end use(s)

Hardener, 2K-Epoxy system

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

Avoid contact with skin and eyes. Do not eat, drink or smoke during work time. Immediately remove any contaminated clothing, shoes or stockings. Wash hands before breaks and after work. Use barrier skin cream. Hold eye wash fountain available.

Respiratory protection

Not necessary, but do not inhale vapours. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

Hand protection

Wear suitable gloves tested to EN374.

Appropriate Material neoprene

Breakthrough time > 480 min

The breakthrough time must be greater than the end use time of the product.

Always ensure that gloves are free from defects and that they are stored and used correctly.

Eye protection

Wear eye glasses with side protection according to EN 166.

Body protection

Personnel should wear protective clothing.

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SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Form	liquid
Colour	white to light yellow
Odour	amine-like
pH value	
Remarks	alkaline
Initial boiling point and boiling range	
Remarks	Not applicable
Flash point	
Value	\geq 94 °C
Density	
Value	appr. 1,4 g/cm ³
Solubility in water	
Remarks	partly soluble

SECTION 10: Stability and reactivity**10.1. Reactivity**

Sensitive to air. Sensitive to moisture. See section 10.3.

10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3. Possibility of hazardous reactions

No hazardous reactions when stored and handled according to prescribed instructions.

10.4. Conditions to avoid

Protect from heat and direct sunlight.

10.5. Incompatible materials

Acids, Bases, Oxidising agents

10.6. Hazardous decomposition products

No decomposition if used as prescribed. In the event of fire the following can be released:
Carbon monoxide (CO), Carbon dioxide (CO₂), Nitrous gases (NO_x), Corrosive gases/vapours

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

Evaluation Harmful if swallowed.

Acute oral toxicity (Components)**Benzyl alcohol**

Species	rat	
LD50	1230	mg/kg

Skin corrosion/irritation

Evaluation Causes burns.

Serious eye damage/irritation

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Evaluation	Causes serious eye damage.
Sensitization	
Evaluation	May cause an allergic skin reaction.
Other information	
Product specific toxicological data are not known.	

SECTION 12: Ecological information

12.1. Toxicity

General information

Toxic to aquatic life with long lasting effects. Product specific toxicological data are not known.

12.2. Persistence and degradability

General information

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

General information

There are no data available on the mixture itself.

12.4. Mobility in soil

General information

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

General information

There are no data available on the mixture itself.

12.6. Other adverse effects

General information

No data available

General information / ecology

Do not allow to enter drains or water courses.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

14.1. UN number

ADR/RID: 2735

IMDG: 2735

IATA: 2735

14.2. UN proper shipping name

ADR/RID: POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3-Aminomethyl-3,5,5-

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IMDG: trimethylcyclohexylamine)
POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3-Aminomethyl-3,5,5-trimethylcyclohexylamine)
IATA: POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3-Aminomethyl-3,5,5-trimethylcyclohexylamine)

14.3. Transport hazard class(es)

ADR/RID: 8

IMDG: 8

IATA: 8

14.4. Packing group

ADR/RID: III

IMDG: III

IATA: III

14.5. Environmental hazardsADR/RID:
ENVIRONMENTALLY
HAZARDOUS

IMDG: Marine Pollutant

IATA:
ENVIRONMENTALLY
HAZARDOUS**14.6. Special precautions for user**

The relevant transport regulations have to be considered.

Limited quantities

ADR/RID: 5 L

Tunnel restriction code

ADR/RID: E

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Storage class according to TRGS 510 (Germany)**Storage class according to
TRGS 510

8A

Combustible corrosive hazardous
substances**Other information**

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information**R-phrases listed in Chapter 3**

10	Flammable.
20/22	Harmful by inhalation and if swallowed.
21/22	Harmful in contact with skin and if swallowed.
22	Harmful if swallowed.
34	Causes burns.
36	Irritating to eyes.
36/38	Irritating to eyes and skin.
37	Irritating to respiratory system.
38	Irritating to skin.
41	Risk of serious damage to eyes.
43	May cause sensitization by skin contact.

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51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
52	Harmful to aquatic organisms.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
62	Possible risk of impaired fertility.

Hazard statements listed in Chapter 3

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361f	Suspected of damaging fertility.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Aquatic chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 3	Flammable liquid, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.