

Safety Information Page

Regulation (EC) No. 1907/2006 (Access):

Trade Name : **Logic IN UH-A**

Logic Chemie

Version : 1.2/ 13.04.2025

Print Date: 13.04.2025

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1. Presentation of substance or mixed and the company

1.1 Description of the product informations:

Logic IN UH-A

1.2 Preparation's related identified uses:

Resin injection for brick wall + concrete components A

1.3 Information of the supplier of safety data sheet

Informations regarding to Producer/Supplier

Logic Chemie

Shipper:

Kastanjelaan 157a

NL-4621HL Bergen op Zoom

Telephone 0031626354489

Informations of the emergency

Telephone 0031626354489

2. Potential Dangers

2.1 Stratifications of the preparation

Regulation (AB) No. 1272/2008 (GHS)

Liquid and vapor of it can be Inflammable.

Danger Category 2; H225

2.2 Elements required be marked

Signal word

Danger

GHS07

GHS09

Danger Notes

H314

It causes severe eye irritation.

H315

It causes skin irritation

H317

It may cause allergic skin reactions. In case of long-lasting effects, it is poisonous to water organisms

Safety Notes

P280

Protective Gloves / Protective Clothing / Eye Protection / Face Protection should be worn.

Classification

P280

The classification is arranged in accordance with current EU lists, but it is integrated with the information provided in the professional literature and with the company information.

3. Information on the composition / contents

3.1 Substance

Chemical characterization
(Preparation)

This product is in the mixtures category.

a) Epoxide resin, bisphenol-based A / F without solution

3.2 Mixture / Danger-containing Substances

AB-No

Substance Definition

Rate

According to stratification

According to stratification

CAS-Number

67/548/EWG

1272/2008

a) 25068-38-6

Epoxy molecular weight <700> 80%

R36 / 38, R43, R51 / 53

Refer to 16. Section for part under the R- H- and EUH- sentences

3. First aid precautions

4.1 Description of the required first aid

After the eye contact: Shake with plenty of water, consult a physician if necessary.

After the dermal contact: Immediately wash with plenty of water and soap.

In case of breathed: -

If it swallowed: Do not trigger vomit. Immediately consult a doctor.

4. Measures to be taken in case of fire

5.1 Extinguishing vehicle

Suitable extinguishing substance:

All extinguishers are suitable.

Inappropriate extinguishing substance:

-

5.2 Other dangerous situations arising from the substance or its mixture

Dangerous combustion products: Carbon monoxide, smoke, steam, completely occurs from burning.

5.3 Notes for fire interventions:

6. Measures to be taken in case of unintentional release of the substance

6.1 Person-based safety precautions:

Protective Equipment and methods to be applied in case of emergency:

Avoid skin and eye contact. Prevent it reaching to the ground and sewage. Clean the substances that can be absorption liquid. Surround large quantities and dispose of them by absorbing them with the pump.

Personal protective equipment:

Personal protective equipment must be adapted to the situation. Use protective glasses with side shield, protective clothing and protective gloves on the sides.

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6.2 Environmental pollution prevention measures

Prevent access to sewer / open water / soil.

7. Usage and storage

7.1 Protective Measures

When working with chemicals, general protective precautions should be observed. Avoid contact with eyes and skin. Keep the tank tightly sealed. Ensure that there is sufficient air exchange and / or air aspiration at workplaces.

Storage class: -

8. Personal protective equipment

8.1 Protective equipment

Use protective glasses, protective gloves and breathing apparatus with a suitable filter. Recommended filtration type: A

8.2 Other protective measures

The choice of personal protective equipment varies depending on the workplace and usage. Use berating protection in airborne or fog formations.

Protection of hands

The protective glove should be nitrile or viton, such as caamtril Velours 730 (Nitrile) or Vitojet 890 (Viton). Spreading time > 480 minutes

9. Basic physical and chemical properties

9.1 Basic physical and chemical properties

Agrega situation / Form

liquid

Color

Light yellow, clear

Smell

Almost odorless

9.2 Current safety information, Basic Parameters

Melting point	<0	° C	
Boiling point / Boiling zone (1013 hPa)	> 200	° C	DIN 51.751
Density (20 ° C):	1.15	g/ml	
Vapor pressure (20 ° C):	Not defined	hPa	DIN 51.754
Viscosity:	ca. 6500	mPas	DIN 51.562
Solubility in water	no	g/l	
Flaming point:	> 200	° C	
Ignition temperature:	> 400.	° C	DIN 51.794

9.3 According to the substance group characteristics:

Explosive substance / mixture	-
Inflammable gases.	The product is a liquid.
Inflammable air suspensions	-
Inflammable liquids. 200 ° C)	This product is not in the combustible category (extinguishing point >
Biodegradable substances and mixtures	Not spontaneously biodegradable
Pyrophoric liquids	It's not pyrophoric.
Self-heating substances / mixtures	It is possible to warm up by mixing two components.
The heat-generating substance / mixtures, when contacted with water, produce ignitable gases, but they do not form Inflammable gases when in contact with water.	
Oxidizing liquid.	Does not oxidize
Organic peroxides.	The product does not have organic peroxides against metals The product does not have an abrasive effect against metals.

9.4 Other Information for Security

Explosion limits:	Not defined
Conductivity	It is not conductive

10. Stability and reactivity

10.1 Reactivity

It is stable under informed storage conditions

10.2 Chemical Stability:

Auto-ignition temperature :>

200 ° C, Stable under normal conditions.

Reactions to amines Reactions with acids

10.3 Possibility of dangerous reactions

10.4 Conditions to avoid

No Data Available.

10.5 Incompatible materials:

No Data Available.

10.6 Dangerous decomposition products

The product does not decompose at ambient temperatures.

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Logic Chemie

11. Information on toxicology

11.1 Acute toxicity

After eye contact:	It causes severe eye irritation.
After dermal contact	It causes skin irritation.
In case of breathed:	LC50: -
If it swallowed:	LD50: >2000 mg/kg (Rattus) (OECD 423)

Chronic toxicity

After dermal contact	It may cause irritation in prolonged or repeated contact.
In case of breathed:	-
If it swallowed:	For symptoms see 4.1

12. Information on environmental pollution

12.1 Toxicity

Acute toxicity:

Threat class to water: WGK 2 (internal stratification): harmful to waters. Prevent it reaching to sewage, subsoil or open water. It has the threat of drinking water. It is also dangerous for fish and plankton in the water. It is poisonous to water organisms.

Bisphenol A - Epoxide resin	EC50 / 48h 2.8 mg / l (Dap) EC50 / 96h 220 mg / l (Alg) LC50 / 96h 3.6 mg / l (leuciscus idus)
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Bisphenol F - Epoxy resin	EC50 / 96h > 100 mg / l (leuciscus idus) LC50 / 96h > 100 mg / l (daphnia)
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12.2 Persistence and Quality Loss

Hydrolysis	Because of hydrolysis, there is no transformation as noteworthy.
Photolysis	Because of photolysis, there is no transformation as noteworthy.
Biodegradability	Biological difficult to melt.

12.3 Conclusion of PBT and vPvB evaluation

Not Available

12.4 Other impacts which may cause pollution

No Information Available.

13. Dispose

Applications for waste disposal

It cannot be disposed together with household wastes. Disposal of it must be carried out only in accordance with the regulations of the official authorities (Such as paint boxes).

Disposal of it must be carried out according to waste and dangerous waste4 instructions of the EC directives 75/422 / EEC and 91/689 / ECC in latest versions.

Disposal of the product packaging

Waste should be made like paint spray cans.

Waste code number (EWC)
Package

20 01 12 Resin residues as (unhardened)
Evacuate the reservoir completely.

14. Shipment information

14.1 Land transport ADR / RID / GGVSE

Class:	9
Figure/letter	-
UN-No.:	3082

14.2 Maritime transport IMDG-Code / GGVSee III

14.3 Aircraft ICAO-TI / IATA-DGR

Hazardous Freight

15. CONDITIONS

15.1 Safety, health and environment related substance or mixture specific legislations

Nationality regulations

Danger class for water (WGK):

EINECS:

TSCA:

-
WGK 2 (internal stratification): harmful to waters
All ingredients in are listed, removed from the list, or reported as new substance (ELINCS).
All ingredients in are listed or removed from the list.

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AICS:	All ingredients in are listed, removed from the list, or reported as new substance.
IECSC:	All ingredients in are listed or removed from the list.
KECL:	All ingredients in are listed, removed from the list, or reported as new substance.
PICCS:	All ingredients in are listed, removed from the list, or reported as new substance
DSL:	All ingredients in are listed or removed from the list.
ENCS / ISHL:	All ingredients in are listed, removed from the list, or reported as new substance

16. Other informations

16.1 According to the mixture and the evaluation methods used, the stratification was made according to the (EU) regulations.

organisms.

Nr. 1207/2008 (CLP)

H411 In case of long-lasting effects it is poisonous to water

16.2 Definition under of R and H and EUH sentence (Number and text)

H319 It causes serious eye irritation.

H315 It causes skin irritation.

H 317 It may cause allergic skin reactions.

EUH 066 Repeated contacts may be cause rough or torn skin

R36/38 It irritates eyes and skin.

R43 Sensitization is possible as a result of skin contact.

R51/53 It is poisonous to aquatic organisms, may cause harmful effects for long periods in open water.

16.3 Other notes

This information contained in the Material Safety Data Sheet has been prepared with the latest information available at the time of printing, in the direction of our knowledge and experience. This information is based solely on pure product. If the product is mixed with other materials or subjected to process processing, the information contained herein will not be valid.

The guarantee is not given for accuracy or integrity. The informations contained herein does not constitute assurance.

Trade Name : **Logic IN UH-B**

Logic Chemie

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Print Date: 13.04.2025

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1. Presentation of substance or mixed and the company

1.1 Description of the product informations:

Logic IN UH-B

1.2 Preparation's related identified uses: Resin injection for brick wall + concrete components B

1.3 Information of the supplier of safety data sheet

Informations regarding to Producer/Supplier

Logic Chemie
Kastanjelaan 157a
NL-4621HL Bergen op Zoom
Telephone 0031626354489

Shipper:

Informations of the emergency

Telephone 0031626354489

2. Potential Dangers

2.1 Stratifications of the preparation

Regulation (AB) No. 1272/2008 (GHS)

Liquid and vapor of it can be Inflammable.

Danger Category 2; H225

2.2 Elements required be marked

Signal word

Danger

GHS05

GHS07

Danger Notes

H314

It causes severe skin irritation and eye damage.

H317

It may cause allergic skin reactions.

Safety Notes

P280

Protective Gloves / Protective Clothing / Eye Protection / Face Protection should be worn.

Classification

P280

The classification is arranged in accordance with current EU lists, but it is integrated with the information provided in the professional literature and with the company information.

3. Information on the composition / contents

3.1 Substance

Chemical characterization
(Preparation)

This product is in the mixtures category.

Epoxy-hardener, amine-inserting compound modified without solution

3.2 Mixture / Danger-containing Substances

AB-No

Substance Definition

Rate

According to stratification

According to stratification

CAS-Number

67/548/EWG

1272/2008

b) 100-51-6

modif. Amin adükt

>80 %

R22, R36/38

Refer to 16. Section for part under the R- H- and EUH- sentences

3. First aid precautions

4.1 Description of the required first aid

After the eye contact: Shake with plenty of water, consult a physician if necessary.

After the dermal contact: Immediately wash with plenty of water and soap.

In case of breathed: -

If it swallowed: Do not trigger vomit. Immediately consult a doctor.

4. Measures to be taken in case of fire

5.1 Extinguishing vehicle

Suitable extinguishing substance:

All extinguishers are suitable.

Inappropriate extinguishing substance:

-

5.2 Other dangerous situations arising from the substance or its mixture

Dangerous combustion products: Carbon monoxide, smoke, steam, completely occurs from burning.

5.3 Notes for fire interventions:

6. Measures to be taken in case of unintentional release of the substance

6.1 Person-based safety precautions:

Protective Equipment and methods

to be applied in case of emergency:

Avoid skin and eye contact. Prevent it reaching to the ground and sewage. Clean the substances that can be absorption liquid. Surround large quantities and dispose of them by absorbing them with the pump.

Personal protective equipment:

Personal protective equipment must be adapted to the situation. Use protective glasses with side shield, protective clothing and protective gloves on the sides.

6.2 Environmental pollution prevention measures

Prevent access to sewer / open water / soil.

7.1 Protective Measures When working with chemicals, general protective precautions should be observed. Avoid contact with eyes and skin. Keep the tank tightly sealed. Ensure that there is sufficient air exchange and / or air aspiration at workplaces.

Storage class: -

8. Personal protective equipment

8.1 Protective equipment

Use protective glasses, protective gloves and breathing apparatus with a suitable filter. Recommended filtration type: A

8.2 Other protective measures

The choice of personal protective equipment varies depending on the workplace and usage. Use berating protection in airborne or fog formations.

Protection of hands

The protective glove should be nitrile or viton, such as caamtril Velours 730 (Nitrile) or Vitojet 890 (Viton). Spreading time > 480 minutes

9. Basic physical and chemical properties

9.1 Basic physical and chemical properties

Agrega situation / Form

liquid

Color

Light brown, clear

Smell

Amines scented (fish-like)

9.2 Current safety information, Basic Parameters

Melting point	<0	° C	
Boiling point / Boiling zone (1013 hPa)	> 200	° C	DIN 51 751
Density (20 ° C):	1.05	g / ml	
Vapor pressure (20 ° C):	Not define	d hPa	DIN 51.754
Viscosity:	ca. 6500	mPas	DIN 51.562
Solubility in water	low	g / l	
Flaming point:	> 200	° C	
Ignition temperature:	> 400.	° C	DIN 51.794

9.3 According to the substance group characteristics:

Explosible substance / mixture	-
Inflammable gases.	The product is a liquid.
Inflammable air suspensions	-
Inflammable liquids. > 200 ° C)	This product is not combustible category (extinguishing point
Biodegradable substances and mixtures	Not spontaneously biodegradable
Pyrophoric liquids	It's not pyrophoric.
Self-heating substances / mixtures	It is possible to warm up by mixing two components.
The heat-generating substance / mixtures, when contacted with water, produce ignitable gases, but they do not form Inflammable gases when in contact with water.	
Oxidising liquid.	Does not oxidize
Organic peroxides.	The product does not have organic peroxides against metals The product does not have an abrasive effect against metals.

9.4 Other Information for Security

Explosion limits:	Not defined
Conductivity	It is not conductive

10. Stability and reactivity

10.1 Reactivity

It is stable under recommended storage conditions

10.2 Chemical Stability:

Auto-ignition temperature :> 200 ° C

Stable under normal conditions.

10.3 Possibility of dangerous reactions

Reactions with amines Reactions with acids

10.4 Conditions to avoid

No Data Available.

10.5 Incompatible materials:

No Data Available.

10.6 Dangerous decomposition products

The product does not decompose at ambient temperatures

11. Information on toxicology

11.1 Acute toxicity

After eye contact: It causes severe eye irritation.
After dermal contact: It causes skin irritation.
In case of breathed: LC50: -
If it swallowed: LD50: >2000 mg/kg (Rattus) (OECD 423)

Chronic toxicity

After dermal contact: It may cause irritation in prolonged or repeated contact.
In case of breathed: -
If it swallowed: For symptoms see 4.1

12. Information on environmental pollution

12.1 Toxicity

Acute toxicity:
 Threat class to water: WGK 2 (internal stratification): harmful to waters. Prevent it reaching to sewage, subsoil or open water. It has the threat of drinking water. It is also dangerous for fish and plankton in the water. It is poisonous to water organisms.

EC50/48h 400 mg/l (daphnia)

LC50/96h 460 mg/l (fish)

12.2 Persistence and Quality Loss

Hydrolysis: Because of hydrolysis, there is no transformation as noteworthy.
 Photolysis: Because of photolysis, there is no transformation as noteworthy.
 Biodegradability: Biological difficult to melt.

12.3 Conclusion of PBT and vPvB evaluation

Not Available.

12.4 Other environmental impacts

No Information Available.

13. Dispose

Applications for waste disposal

It cannot be disposed together with household wastes. Disposal of it must be carried out only in accordance with the regulations of the official authorities (Such as paint boxes).

Disposal of the product packaging

Disposal of it must be carried out according to waste and dangerous waste4 instructions of the EC directives 75/422 / EEC and 91/689 / ECC in latest versions.

Waste should be made like paint spray cans.

Waste code number (EWC)
 Package

20 01 12 Resin residues as (unhardened)
 Evacuate the reservoir completely.

14. Shipment information

14.1 Land transport ADR / RID / GGVSE

Class: 9
 Figure/letter: -
 UN-No.: 2735

14.2 Sea-going transport IMDG-Code / GGVSee III

14.3 Aircraft ICAO-TI / IATA-DGR

Hazardous Freight

15. CONDITIONS

15.1 Safety, health and environment related substance or mixture specific legislations

Nationality regulations

Danger class for water (WGK): WGK 2 (internal stratification): harmful to waters
 EINECS: All ingredients in are listed, removed from the list, or reported as new substance (ELINCS).
 TSCA: All ingredients in are listed or removed from the list.

AICS:	All ingredients in are listed, removed from the list, or reported as new substance.
IECSC:	All ingredients in are listed or removed from the list.
KECL:	All ingredients in are listed, removed from the list, or reported as new substance.
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DSL:	All ingredients in are listed or removed from the list.
ENCS / ISHL:	All ingredients in are listed, removed from the list, or reported as new substance

16. Other informations

16.1 According to the mixture and the evaluation methods used, the statification was made according to the (EU) regulations.

organisms. Nr. 1207/2008 (CLP)	H413	In case of long-lasting effects it is poisonous to water
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16.2 Definition under of R and H and EUH sentence (Number and text)

H 225	H226 Easily inflammable liquid and vapor
H315	It causes serious eye irritation.
H 317	It may cause allergic skin reactions.
EUH 066	Repeated contacts can cause rough or torn skin
R36/38	It irritates eyes and skin.
R43	The skin may have sensitivity at the result of contact.
R51/53	It is poisonous to aquatic organisms, may cause harmful effects for long periods in open water.

16.3 Other notes

This information contained in the Material Safety Data Sheet has been prepared with the latest information available at the time of printing, in the direction of our knowledge and experience. This information is based solely on pure product. If the product is mixed with other materials or subjected to process processing, the information contained herein will not be valid.

The guarantee is not given for accuracy or integrity. The informations contained herein does not constitute assurance.