

Safety Information Page

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

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

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-UW-A**

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

1.3 Details for the supplier who created the Safety Information Page.

Information of the supplier of safety data sheet Logic Chemie
Shipper: Kastanjelaan 157a 4621HL Bergen op Zoom
NL-4622 RC Bergen op Zoom
Telephone 0031626354489

Informations of the emergency: **Telefon** 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

H319 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

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 This product is in the mixtures category.

Chemical characterization
(Preparation)

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

3.2 Karışım / 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

4. 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.

5. 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 mixture

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

Notes for fire interventions: In major accidents, carry breathing apparatus that operates independently from ambient.

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:**

Personal protective equipment:

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 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

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 caamril Velours 730 (Nitrile) or Vitojet 890 (Viton). Spreading time > 480 minutes

9. Physical And Chemical Properties

9.1 Basic physical and chemical properties

Aggregate 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

9.2 According to the substance group characteristics:

Explosive substance / mixture

-

Inflammable gases.

The product is a liquid.

Inflammable air suspensions

-

Inflammable liquids.

This product is not combustible category (extinguishing point > 200 °C)

200 °C)

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.

9.3 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.

10.3 Possibility of dangerous reactions

Reactions to amines Reactions with acids

10.4 Conditions to avoid

No Data Available.

10.5 Incompatible materials:

No Data Available.

10.6 Dangerous decomposition substances

Product does not decompose at ambient temperatures

11. Toxicological Information

Acute toxicity:

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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)

Bisphenol F - Epoxy resin EC50/96h > 100 mg/l (leuciscus idus)
LC50/96h > 100 mg/l (daphnia)

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.

Conclusion of PBT and vPvB evaluation Not Available

12.4 Other impacts which may cause pollution No Information Available.

13. Notes on supply

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) 20 01 12 Resin residues as (unhardened)

Package Evacuate the reservoir completely.

14. Shipment information

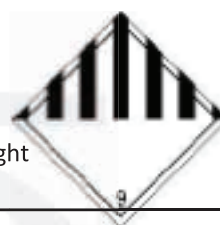
14.1 Land transport ADR / RID / GGVSE

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

14.2 Maritime transport IMDG-Code / GGVSee III

14.1 Aircraft ICAO-TI / IATA-DGR

Hazardous Freight



15. Regulation

15.1 Special safety to substance or mixture, rules based on health and environmental pollution

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 Notes

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

organisms.

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.

H317 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.

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1. Presentation of substance or mixed and the company

- 1.1 Description of the product informations:** **Logic IN-UW-B**
- 1.2 Preparation's related identified uses:** Resin injection for brick wall + concrete components B
- 1.3 Details for the supplier who created the Safety Information Page.**
Information of the supplier of safety data sheet 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

H319 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

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** This product is in the mixtures category.
Chemical characterization (Preparation) Epoxy-hardener, amine-inserting compound modified without solution

3.2 Karışım / 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

4. 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.

5. 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 mixture

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

5.3 Notes for fire interventions: In major accidents, carry breathing apparatus that operates independently from ambient.

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:

Personal protective equipment:

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

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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

Other protective measures

The choice of personal protective equipment varies depending on the workplace and usage. Use berating protection in airborne or fog formations. The protective glove should be nitrile or viton, such as caamtril Velours 730 (Nitrile) or Vitojet 890 (Viton). Spreading time > 480 minutes

Protection of hands

9. 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 defined	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

9.2 According to the substance group characteristics:

Explosive substance / mixture -
Inflammable gases. - The product is a liquid.
Inflammable air suspensions -
Inflammable liquids. - This product is not combustibile category (extinguishing point > 200 ° C)
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.

9.3 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. Toxicological Information

Acute toxicity:

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LOGIC
CHEMIE

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.

Conclusion of PBT and vPvB evaluation Not Available

12.4 Other impacts which may cause pollution No Information Available.

13. Notes on supply

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

14. Shipment information

14.1 Land transport ADR / RID / GGVSE

Class:	8
Figure/letter	-
UN-No.:	2735

14.2 Maritime transport IMDG-Code / GGVSee III

14.1 Aircraft ICAO-TI / IATA-DGR

Hazardous Freight



15. Regulation

15.1 Special safety to substance or mixture, rules based on health and environmental pollution

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.

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16. Other Notes

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

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

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.

H317 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.

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