Safety Data Sheet
SYNTECH AS 21 comp. B

Safety Data Sheet dated 9/1/2023, version 1

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

1.1. Product identifier

Mixture identification:

Trade name: SYNTECH AS 21 comp. B

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

SELF-LEVELLING EPOXY COATING

1.3. Details of the supplier of the safety data sheet

Company:

AZICHEM SRL

VIA G.GENTILE 16/A – 46044 GOITO (MN) - ITALIA TEL. +39-0376-604185

Competent person responsible for the safety data sheet:

laboratorio@azichem.com

1.4. Emergency telephone number

Centro Antiveleni di Milano 02 66101029 (CAV Ospedale Niguarda Ca` Granda -Milano) (24h)

Centro Antiveleni di Pavia 0382 24444 (CAV IRCCS Fondazione Maugeri - Pavia) (24h)

Centro Antiveleni di Bergamo 800 883300 (CAV Ospedali Riuniti - Bergamo)

Centro Antiveleni di Firenze 055 7947819 (CAV Ospedale Careggi - Firenze)

Centro Antiveleni di Roma 06 3054343 (CAV Policlinico Gemelli - Roma)

Centro Antiveleni di Roma 06 49978000 (CAV Policlinico Umberto I - Roma)

Centro Antiveleni di Roma 06 68593726 (CAV Ospedale Bambin Gesu" - Roma)

Centro Antiveleni di Napoli 081 7472870 (CAV Ospedale Cardarelli - Napoli)

Centro Antiveleni di Foggia 0881 732326 (CAV Ospedale Univ. - Foggia)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

Danger, Skin Corr. 1B, Causes severe skin burns and eye damage.

Danger, Eye Dam. 1, Causes serious eye damage.

Warning, Skin Sens. 1A, May cause an allergic skin reaction.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor/...
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

Special Provisions:
None

Contains
Copolymer of formalide and aniline, hydrogenated
N,N'-bis(3-aminopropyl)ethylenediamine
N-(2-aminoethyl)-1,3-propanediamine

Special provisions according to Annex XVII of REACH and subsequent amendments:
None

2.3. Other hazards
No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

Other Hazards:
No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances
N.A.

3.2. Mixtures
Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
>= 12.5% - < 15%	benzyl alcohol	Index number: 603-057-00-5 CAS: 100-51-6 EC: 202-859-9 REACH No.: 01-2119492630-38	3.1/4/Oral Acute Tox. 4 H302 3.3/2 Eye Irrit. 2 H319 3.1/4/Inhal Acute Tox. 4 H332
>= 5% - < 7%	Copolymer of formalide and aniline, hydrogenated	CAS: 135108-88-2 EC: 603-894-6 REACH No.: 01-2119983522-33	3.1/4/Oral Acute Tox. 4 H302 3.3/1 Eye Dam. 1 H318 3.4.2/1B Skin Sens. 1B H317 3.9/2 STOT RE 2 H373 4.1/C3 Aquatic Chronic 3 H412 3.2/1B Skin Corr. 1B H314 Specific Concentration Limits: C >= 5%: Skin Corr. 1B H314 C >= 5%: Skin Corr. 1C H314 1% <= C < 5%: Skin Irrit. 2 H315 C >= 3%: Eye Dam. 1 H318 1% <= C < 3%: Eye Irrit. 2 H319
>= 1% - < 2.5%	2,4,6-tris(dimethylaminomethyl)phenol	Index number: 603-069-00-0 CAS: 90-72-2	3.1/4/Oral Acute Tox. 4 H302 3.3/2 Eye Irrit. 2 H319

		EC: 202-013-9 REACH No.: 01-2119560597-27	3.2/2 Skin Irrit. 2 H315
>= 1% - < 2.5%	N,N'-bis(3-aminopropyl)ethylenediamine	CAS: 10563-26-5 EC: 234-147-9 REACH No.: 01-2119976331-37	3.1/3/Dermal Acute Tox. 3 H311 3.1/4/Oral Acute Tox. 4 H302 3.2/1B Skin Corr. 1B H314 3.3/1 Eye Dam. 1 H318 3.4.2/1 Skin Sens. 1 H317
>= 0.1% - < 0.25%	N-(2-aminoethyl)-1,3-propanediamine	CAS: 13531-52-7 EC: 236-882-0 REACH No.: 01-2120097861-45	3.1/2/Dermal Acute Tox. 2 H310 3.1/4/Oral Acute Tox. 4 H302 3.2/1A Skin Corr. 1A H314 3.3/1 Eye Dam. 1 H318 3.4.2/1A Skin Sens. 1A H317

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediatley and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Water.
Carbon dioxide (CO2).
Extinguishing media which must not be used for safety reasons:
None in particular.

5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.
Hazardous combustion products:
5.3. Advice for firefighters
Use suitable breathing apparatus .
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
For non emergency personnel:
Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.
For emergency responders:
Wear personal protection equipment.
6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand
6.3. Methods and material for containment and cleaning up
Wash with plenty of water.
6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.
7.2. Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.
Packaging materials:
7.3. Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
No occupational exposure limit available
DNEL Exposure Limit Values
benzyl alcohol - CAS: 100-51-6

Consumer: 25 03 - Exposure: Human Dermal - Frequency: Short Term, local effects
Consumer: 5 03 - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Consumer: 40.55 04 - Exposure: Human Inhalation - Frequency: Short Term, local effects
Consumer: 8.11 04 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Worker Professional: 450 04 - Exposure: Human Inhalation - Frequency: Short Term, systemic effects
Worker Professional: 90 04 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
Consumer: 28.5 03 - Exposure: Human Dermal - Frequency: Short Term, local effects
Consumer: 5.7 03 - Exposure: Human Dermal - Frequency: Long Term, systemic effects
Worker Professional: 47 03 - Exposure: Human Dermal - Frequency: Short Term, systemic effects
Worker Professional: 9.5 03 - Exposure: Human Dermal - Frequency: Long Term, systemic effects

2,4,6-tris(dimethylaminomethyl)phenol - CAS: 90-72-2

Worker Professional: .31 04 - Exposure: Human Inhalation - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

benzyl alcohol - CAS: 100-51-6

Target: Fresh Water - Value: 1 mg/l
Target: Marine water - Value: 1 mg/l
Target: Freshwater sediments - Value: 527 04
Target: Marine water sediments - Value: 527 04
Target: 10 - Value: 23 mg/l
Target: Microorganisms in sewage treatments - Value: 39 mg/l
Target: 09 - Value: 456 04

2,4,6-tris(dimethylaminomethyl)phenol - CAS: 90-72-2

Target: Fresh Water - Value: 0.084 mg/l
Target: Marine water - Value: 0.0084 mg/l
Target: 10 - Value: 0.84 mg/l

8.2. Exposure controls

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes

Physical state:	Liquid	--	--
Colour:	Grey	--	--
Odour:	02	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	205°C	--	--
Flammability:	It's capable of catching fire or being set on fire	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	101 ° C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	--
pH:	N.A.	--	--
Kinematic viscosity:	> 20,5 mm2/sec (40 °C)	--	--
Solubility in water:	Insoluble in water	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	1.6 g/ml	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

Properties	**Value**	**Method:**	**Notes**
Explosive properties:	No	--	--
Viscosity:	Tixotropico	--	--
Oxidizing properties:	No	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity
Stable under normal conditions
10.2. Chemical stability
Stable under normal conditions
10.3. Possibility of hazardous reactions
None
10.4. Conditions to avoid
Stable under normal conditions.
10.5. Incompatible materials
None in particular.
10.6. Hazardous decomposition products

None.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

SYNTECH AS 21 comp. B

a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

The product is classified: Skin Corr. 1B H314

c) serious eye damage/irritation

The product is classified: Eye Dam. 1 H318

d) respiratory or skin sensitisation

The product is classified: Skin Sens. 1A H317

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

h) STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

benzyl alcohol - CAS: 100-51-6

a) acute toxicity:

Test: LD50 - Route: EPY_DERMAL 2000 - Notes: Rabbit

Test: LC50 - Route: EPY_INHALATION EPY_> 4.1 - Notes: Rat

Test: LD50 - Route: EPY_ORAL 1230 - Notes: Rat

Copolymer of formalide and aniline, hydrogenated - CAS: 135108-88-2

a) acute toxicity:

Test: LD50 - Route: EPY_DERMAL - Species: Rabbit EPY_> 1000 - Notes: coniglio

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

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Not classified for environmental hazards

Based on available data, the classification criteria are not met

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential
N.A.

12.4. Mobility in soil
N.A.

12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None

12.6. Endocrine disrupting properties
No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects
None

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

14.1. UN number or ID number

ADR-UN Number:	1760
ADR/RID/ADN-UN Number:	1760
ADR/RID-UN Number:	1760
ADR/ADN-UN Number:	1760
IATA-UN Number:	1760
IMDG-UN Number:	1760

14.2. UN proper shipping name

ADR-Shipping Name:	CORROSIVE LIQUID, N.O.S. (Copolymer of formalide and aniline, hydrogenated, N,N'-bis(3-aminopropyl)ethylenediamine)
ADR/RID-Shipping Name:	CORROSIVE LIQUID, N.O.S. (Copolymer of formalide and aniline, hydrogenated, N,N'-bis(3-aminopropyl)ethylenediamine)
ADR/ADN-Shipping Name:	CORROSIVE LIQUID, N.O.S. (Copolymer of formalide and aniline, hydrogenated, N,N'-bis(3-aminopropyl)ethylenediamine)
ADR/RID/ADN-Shipping Name:	CORROSIVE LIQUID, N.O.S. (Copolymer of formalide and aniline, hydrogenated, N,N'-bis(3-aminopropyl)ethylenediamine)
IATA-Shipping Name:	CORROSIVE LIQUID, N.O.S. (Copolymer of formalide and aniline, hydrogenated, N,N'-bis(3-aminopropyl)ethylenediamine)
IMDG-Shipping Name:	CORROSIVE LIQUID, N.O.S. (Copolymer of formalide and aniline, hydrogenated, N,N'-bis(3-aminopropyl)ethylenediamine)

14.3. Transport hazard class(es)

ADR-Class:	8
ADR/RID-Class:	8

ADR/ADN-Class: 8
ADR/RID/ADN-Class: 8
ADR - Hazard identification number: 80
IATA-Class: 8
IATA-Label: 8
IMDG-Class: 8

14.4. Packing group

ADR-Packing Group: II
ADR/RID-Packing Group: II
ADR/ADN-Packing Group: II
ADR/RID/ADN-Packing Group: II
IATA-Packing group: II
IMDG-Packing group: II

14.5. Environmental hazards

ADR-Enviromental Pollutant: No
IMDG-Marine pollutant: No
IMDG-EmS: F-A , S-B

14.6. Special precautions for user

ADR-Subsidiary hazards: -
ADR-S.P.: 274
ADR-Transport category (Tunnel restriction code): 2 (E)
IATA-Passenger Aircraft: 851
IATA-Subsidiary hazards: -
IATA-Cargo Aircraft: 855
IATA-S.P.: A3 A803
IATA-ERG: 8L
IMDG-Subsidiary hazards: -
IMDG-Stowage and handling: Category B SW2
IMDG-Segregation: -

14.7. Maritime transport in bulk according to IMO instruments

N.A.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 2020/878
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restrictions related to the substances contained:

Restriction 75

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H373 May cause damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H311 Toxic in contact with skin.
H310 Fatal in contact with skin.

Hazard class and hazard category	Code	Description
Acute Tox. 2	3.1/2/Dermal	Acute toxicity (dermal), Category 2
Acute Tox. 3	3.1/3/Dermal	Acute toxicity (dermal), Category 3
Acute Tox. 4	3.1/4/Inhal	Acute toxicity (inhalation), Category 4
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Corr. 1C	3.2/1C	Skin corrosion, Category 1C
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Dam. 1	3.3/1	Serious eye damage, Category 1
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Skin Sens. 1	3.4.2/1	Skin Sensitisation, Category 1
Skin Sens. 1A	3.4.2/1A	Skin Sensitisation, Category 1A
Skin Sens. 1B	3.4.2/1B	Skin Sensitisation, Category 1B
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Skin Corr. 1B, H314	Calculation method
Eye Dam. 1, H318	Calculation method
Skin Sens. 1A, H317	Calculation method

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.