

Document type

Safety Data Sheet

1. Product identification

1.1 Trading Name	LIQUID METAL COMP B
1.2 Type of product and use	Epoxy-based decorative coating for architectural surfaces
1.3 Producer	Stucco Italiano Srl Via Rovereto 20 – 36030 Costabissara (VI) – Italy Tel.: +39 0444 700 991, Email: info@stuccoitaliano.it web: www.stuccoitaliano.com
1.4 Emergency contact num.	Technical information: Stucco Italiano Srl office +39 0444 700 991 (Monday-Friday 8.00–17.00); Mobile phone +39 340 3058872 (Saturday and Sunday)

2. Identification of hazards

2.1 Classification of the substance or mixture

According to regulation (EC) No 1272/2008 (CLP)

Signal	Hazard class	Hazard category	Hazard statement
Danger	Eye damage	1	H318: Causes serious eye damage
Warning	Skin corrosion	1B	H314: Causes skin corrosion
Warning	Skin sensitisation	1	H317: May cause an allergic skin reaction

2.2 Label Elements

Hazard pictograms



Signal word

Danger, Warning

Hazard statements:

H318: Causes serious eye damage
H314: Causes skin corrosion
H317: May cause an allergic skin reaction

Precaution statements

P101 If medical advice is needed, have the container or label of the product available.
P102 Keep out of reach of children.
P103 Read label before use.
P260 Do not breathe vapors.
P280 Wear protective gloves/protective clothing and eye/face 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.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental Information

Contains

3-aminometil-3,5,5-trimetilcicloesilamina

2.3 Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

Other hazards

No other hazards

3. Composition

3.1 Substances

N.A.

3.2 Mixtures

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

Quantity	Name	Identification number	Classification
>= 50% - < 70%	Polymer Hardener	EC: 941-395-8	3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319
>= 10% - < 25%	3-aminomethyl-3,5,5-trimethylcyclohexylamine	Index: 612-067-00-9 CAS: 2855-13-2 EC: 220-666-8 REACH No.: 01-2119514687 -32	3.1/4/Oral Acute Tox. 4 H302 3.2/1B Skin Corr. 1B H314 3.3/1 Eye Dam. 1 H318 3.4.2/1A Skin Sens. 1A H317
>= 5% - < 10%	2,4,6-tri(dimethylaminomethyl)phenol	Index: 603-069-00-0 CAS: 90-72-2 EC: 202-013-9 REACH No.: 01-2119560597 -27	3.1/4/Oral Acute Tox. 4 H302 3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319

4. First-aid measures

4.1 First aid measures:

Contact with skin

Immediately take off all contaminated clothing. Seek immediate medical advice. After contact with skin, wash immediately with soap and plenty of water

Contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time. Seek medical advice immediately. Do not use eye drops or any kind of lotion unless prescribed by a specialist. Do not rub the eyes.

Ingestion

Do not induce vomiting. Seek medical advice immediately

Inhalation

Remove casualty to fresh air and keep warm and at rest

4.2 Most important symptoms	None
4.3 Medical attention	In case of unwellness, seek medical advice immediately
Treatment	None

5. Firefighting measures

5.1 Extinguishing media	<p>Suitable media:</p> <p>Water</p> <p>Carbon dioxide (CO₂)</p> <p>Media which must not be used:</p> <p>None in particular</p>
5.2 Special hazards	<p>Do not inhale explosion and combustion gases</p> <p>Burning produces heavy smoke</p>
5.3 Advice for firefighters	<p>Use suitable breathing apparatus</p> <p>Collect contaminated fire extinguishing water separately. This must not be discharged into drains</p> <p>Move undamaged containers from immediate hazard area if it can be done safely</p>

6. Accidental release measures

6.1 Individual precautions	<p>Wear protective garments, gloves, glasses</p> <p>Wear breathing apparatus if exposed to dusts</p> <p>Provide adequate ventilation</p> <p>Use appropriate respiratory protections</p> <p>See protective measures under point 7 and 8</p>
6.2 Environmental precaution	<p>Do not allow to enter soil / subsoil. Do not allow to enter into surface water or drains.</p> <p>Retain contaminated washing water and dispose it</p> <p>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</p>
6.3 Cleaning methods	<p>Collect as much product as possible, possibly absorb the residue with inert material.</p> <p>Wash the area with water. Remove everything in compliance with the relevant regulation.</p>

7. Handling and storage

7.1 Handling precautions	<p>Avoid contact with skin and eyes, inhalation of dusts and mists</p> <p>Do not eat or drink during handling</p> <p>Use with adequate ventilation</p> <p>Avoid inhalation of vapours and mists</p> <p>Don't use empty container before they have been cleaned</p> <p>Contaminated clothing should be changed before entering eating areas.</p>
7.2 Incompatible materials	Keep away from food and drink
Storage conditions	Keep the containers properly closed, in a clean, dry and dark space at a temperature between +5°C and +30°C.

8. Individual control

8.1 Control parameters	No occupational exposure limit available
DNEL Exposure Limit Values	2,4,6-tri(dimethylaminomethyl)phenol - CAS: 90-72-2 Professional worker: 0.2 mg/kg - Frequency: Long-term, systemic effects - Notes: irritation / corrosion (eye and skin) Professional worker: 0.00031 mg/l - Frequency: Long-term, systemic effects - Notes: irritation (respiratory tract)
PNEC Exposure Limit Values	for 3-aminomethyl-3,5,5-trimethylcyclohexylamine - CAS: 2855-13-2 Target: Freshwater - Value: 0.06 mg/l Target: Seawater - Value: 0.006 mg/l Target: Freshwater sediment - Value: 5.784 mg/kg Target: Seawater sediment - Value: 0.578 mg/kg Target: Agricultural soil - Value: 1.121 mg/kg 2,4,6-tri(dimethylaminomethyl)phenol - CAS: 90-72-2 Target: Freshwater - Value: 0.084 mg/l Target: Seawater - Value: 0.0084 mg/l
8.2 Exposure controls	
Precautionary measures	Do not eat or drink during work, wash hands at every break and at the end of work.
Breathing protection	Not needed for normal use.
Hands protection	Use protective gloves that provide comprehensive protection (PVC, neoprene or rubber)
Eyes protection	Use close fitting safety glasses with side shields, don't use eye lenses
Skin protection	Use clothing that provides comprehensive protection to the skin (cotton, rubber, PVC)
Exposure limits	No safety measures for normal use.
Thermal hazards	None
Environmental exposure	None
Engineering controls	None

9. Chemical / Physical characteristics

Physical state	Liquid
Colour	Yellow
Odour	Characteristic
pH value	N.A.
Melting / freezing point:	N.A.
Boiling point	>100°C
boiling range	N.A.
Water solubility	N.A.
Specific weight	N.A.

Flammability	N.A.
Vapour density	N.A.
Flash point:	N.A.
Vapour pressure	N.A.
Evaporation rate	N.A.
Relative density	N.A.
Solubility in oil	N.A.
Partition coefficient	N.A.
Anti-ignition temperature	N.A.
Decomposition temperature	N.A.
Viscosity	N.A.
Explosive properties	N.A.
Oxidising properties	N.A.
9.2 Other information	N.A.
Miscibility	emulsifiable in water
Fat Solubility	alcohols, glycol ethers, aromatic hydrocarbons
Conductivity	N.A.
Substance groups	N.A.

10. Stability and reactivity

10.1 Reactivity	Stable under normal conditions
10.2 Chemical stability	Stable under normal conditions
10.3 Hazardous reactions	May produce flammable gas when in contact with alkali and alkaline earth metals, strong reducing agents. May produce toxic gas when in contact with oxidizing mineral acids, halogenated organic substances, organic peroxides and hydroperoxides, strong oxidizing agents. May ignite when in contact with strong oxidizing agents.
10.4 Conditions to avoid	None in particular. Stable in normal conditions.
10.5 Incompatible materials	None in particular.
10.6 Decomposition hazards	None

11. Toxicological information

11.1 Toxicological effect	Specific toxicological information not available
Acute toxicity	Not classified. No data available for the product
Skin irritation	The product is classified: Skin corrosion 1B H314
Serious eye damage	The product is classified: Eye damage 1 H318
Respiratory sensitisation	Not classified. No data available for the product
Skinn sensitiation	The product is classified: Skin sensitisation 1B H317

Germ cell mutagenicity

Not classified. No data available for the product

Carcinogenicity

Not classified. No data available for the product

Reproductive toxicity

Not classified. No data available for the product

STOT-single exposure

Not classified. No data available for the product

STOT-repeated exposure

Not classified. No data available for the product

Aspiration hazards

Not classified. No data available for the product

**Toxicological information of the
main substances found in the
product**

3-aminomethyl-3,5,5-trimethylcyclohexylamine - CAS: 2855-13-2

a) Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 1030 mg/kg

Test: LC50 - Route: Inhalation of mist - Species: Rat > 5.01 mg/l - Duration: 4h -

Source: OECD - Guideline 403

Test: LD50 - Route: Dermal - Species: Rat > 2000 mg/kg - Source: OECD -
Guideline 402

b) Skin corrosion/irritation:

Test: Corrosive to skin - Route: Dermal - Species: Rabbit Positive

Test: Corrosive to eyes - Species: Rabbit Positive

d) Respiratory or skin sensitization:

Test: Skin sensitization Positive - Source: Repeated contact

e) Germ cell mutagenicity:

Test: Mutagenesis Negative

f) Carcinogenicity:

Test: Carcinogenicity Negative

g) Toxicity for reproduction:

Test: Reproductive toxicity Negative

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

a) Acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 2169 mg/kg

Test: LD50 - Route: Dermal - Species: Rat > 1 mL/kg bw - Duration: 6h

b) Skin corrosion/irritation:

Test: Irritant to skin Positive

c) Serious eye damage/eye irritation:

Test: Irritant to eyes Positive

e) Germ cell mutagenicity:

Test: Mutagenesis Negative

f) Carcinogenicity:

Test: Carcinogenicity Negative

g) Toxicity for reproduction:

Test: Reproductive toxicity Negative

11.2 Other hazards

Endocrine disrupting properties: No endocrine disruptor substances present in concentration $\geq 0.1\%$

12. Ecological information

12.1 Toxicity

Not classified for environmental hazards.

Based on the available data, the classification criteria are not met.

2,3-aminomethyl-3,5,5-trimethylcyclohexylamine - CAS: 2855-13-2

a) Acute aquatic toxicity:

Endpoint: LC50 - Species: Fish = 110 mg/l - Duration h: 96 - Note: *Leuciscus idus* (Directive 84/449/EEC, C.1, semi-static)

Endpoint: EC50 - Species: *Daphnia* = 23 mg/l - Duration h: 48 - Note: *Daphnia magna* (OECD - guideline 202, part 1, static)

Endpoint: EC50 - Species: Algae > 50 mg/l - Duration h: 72 - Note: *Scenedesmus subspicatus* (Directive 88/302/EEC, part C, p 89)

Endpoint: EC50 - Species: *Daphnia* = 388 mg/l - Duration h: 48 - Note: *Chaetogammarus marinus* (semi-static)

b) Chronic aquatic toxicity:

Endpoint: NOEC - Species: *Daphnia* = 3 mg/l - Duration h: 504 - Note: *Daphnia magna* (OECD - guideline 202, part 2, semi-static)

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

a) Acute aquatic toxicity:

Endpoint: LC50 - Species: Fish = 175 mg/l - Duration h: 96 - Note: *Cyprinus carpio*

Endpoint: LC50 - Species: Fish < 240 mg/l - Duration h: 96 - Note: *Salmo gairdneri*

Endpoint: LC50 - Species: *Daphnia* = 718 mg/l - Duration h: 96 - Note: *Palaemonetes vulgaris*

Endpoint: LC50 - Species: *Daphnia* < 1000 mg/l - Duration h: 96 - Note: *Neopanope texana*

Endpoint: ErC50 - Species: Algae = 84 mg/l - Duration h: 72 - Note: *Scenedesmus subspicatus*

Endpoint: EbC50 - Species: Algae = 66 mg/l - Duration h: 72 - Note: *Scenedesmus subspicatus*

Endpoint: NOEC - Species: Algae = 6.25 mg/l - Duration h: 72 - Note: *Scenedesmus subspicatus*

12.2 Persistence degradab.

None

3-aminomethyl-3,5,5-trimethylcyclohexylamine - CAS: 2855-13-2 Biodegradability:

Not readily biodegradable 2,4,6-tri(dimethylaminomethyl)phenol - CAS: 90-72-2

Biodegradability: Not readily biodegradable

12.3 Bioaccumulative poten.

N.A.

12.4 Mobility un soil

N.A.

12.5 PBT, vPvB assessment

cPvB substances: None – PBT substances: none

12.6 Other adverse effects

None

13. Information on disposal

Waste treatment methods Disposal of product residues and waste deriving from its use as well as empty containers must be in compliance with current local regulations (EU: as per Leg. Decree 22 dated 5/2/97).

14. Information on transport

14.1. UN Number or ID Number ADR-UN Number: 1760
IATA-UN Number: 1760
IMDG-UN Number: 1760

14.2. Official UN Transport Designation ADR-Shipping Name: CORROSIVE LIQUID, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine)
IATA-Shipping Name: CORROSIVE LIQUID, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine)
IMDG-Shipping Name: CORROSIVE LIQUID, N.O.S. (3-aminomethyl-3,5,5-trimethylcyclohexylamine)

14.3. Hazard Classes for Transport ADR-Class: 8
ADR - Hazard Identification Number: 80
IATA-Class: 8
IATA-Label: 8
IMDG-Class: 8

14.4. Packaging Group ADR-Packing Group: II
IATA-Packing group: II
IMDG-Packing group: II

14.5. Environmental Hazards ADR-Environmentally Hazardous Substance: No
IMDG-Marine Pollutant: No
IMDG-EMS: F-A, S-B

14.6. Special Precautions for Users ADR-Subsidiary hazards: -
ADR-Special Provision: 274
ADR-Transport Category (Tunnel Restriction Code): (E)
IATA-Passenger Aircraft: 851
IATA-Subsidiary hazards: -
IATA-Cargo Aircraft: 855
IATA-Special Provision: A3 A803
IATA-ERG: 8L
IMDG-Subsidiary hazards: -
IMDG-Stowage and handling: Category B
IMDG-Segregation: Clear of living quarters.

14.7. Bulk Shipping in accordance with IMO Regulations N.A.

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) 2015/830
 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)

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: No restriction.
 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

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

16. Other information

In conformity with the provisions of Leg. Decree 03/65 and Directive 99/45 EC the product is labeled as follows:

Signal	Hazard class	Hazard category	Hazard statement
Danger	Eye damage	1	H318: Causes serious eye damage
Warning	Skin corrosion	1B	H314: Causes skin corrosion
Warning	Skin sensitisation	1A	H317: May cause an allergic skin reaction

This safety data sheet has been completely updated in compliance to Regulation 2020/878. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 (CLP)

Classification according to Regulation (EC) n. 1272/2008	Classification procedure
Eye Damage 1, H318	Calculation method
Skin Corrosion 1B, H314	Calculation method
Skin Sensitisation 1A H317	Calculation method

ADR	European Agreement concerning 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.

The information contained herein is based on our knowledge at the date given below, refers only to the product indicated and does not represent a guarantee of particular qualities.



The user has to make sure of the suitability and completeness of such information in relation with the specific use and always under his responsibility act in accordance with the regulation on health, safety and environmental protection, provided by current laws.

The manufacturer declines all liability for improper use.

This SDS cancels and replaces any preceding release.