

## Document type

## Safety Data Sheet

### 1. Product identification

<b>1.1 Trading Name</b>	<b>LIQUID METAL COMP A</b>
<b>1.2 Type of product and use</b>	Epoxy-based decorative coating for architectural surfaces
<b>1.3 Producer</b>	<b>Stucco Italiano Srl</b> Via Rovereto 20 – 36030 Costabissara (VI) – Italy Tel.: +39 0444 700 991, Email: info@stuccoitaliano.it web: www.stuccoitaliano.com
<b>1.4 Emergency contact num.</b>	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 Irritation	2	H319: Causes serious eye irritation
Warning	Skin irritation	2	H315: Causes skin irritation
Warning	Skin sensitisation	1	H317: May cause an allergic skin reaction
	Aquatic Chronic 3		H412: Harmful to aquatic life with long lasting effects.

#### 2.2 Label Elements

##### Hazard pictograms



##### Signal word

Danger, Warning

##### Hazard statements:

H319: Causes serious eye irritation  
H315: Causes skin irritation  
H317: May cause an allergic skin reaction  
H412: Harmful to aquatic life with long lasting effects

##### Precaution 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 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.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P501 Dispose of contents / container in accordance with national regulations

<b>Special Provisions</b>	EUH205 Contains epoxy constituents. May produce an allergic reaction. EUH208 Contains Polymer epichlorohydrin-formaldehyde-phenol. May produce an allergic reaction.
<b>Contains</b>	reaction product: bisphenol-A-epichlorhydrin; epoxy resin (number average molecular weight <= 700)
<b>2.3 Other hazards</b>	No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%
<b>Other hazards</b>	No other hazards

### 3. Composition

<b>3.1 Substances</b>	N.A.
<b>3.2 Mixtures</b>	Hazardous components within the meaning of the CLP regulation and related classification:

Quantity	Name	Identification number	Classification
>= 15% - < 20%	reaction product: bisphenol-A-epichlorhydrin; epoxy resin (number average molecular weight <= 700)	CAS: 25068-38-6	3.3/2 Eye Irrit. 2 H319 3.2/2 Skin Irrit. 2 H315 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317 3.4.2/1-1A-1B Skin Sens. 1,1A, 1B H317
>= 5% - < 7%	Polymer epichlorohydrin-formaldehyde-phenol	CAS: 9003-36-5	3.2/2 Skin Irrit. 2 H315 3.3/2 Eye Irrit. 2 H319 3.4.2/1 Skin Sens. 1 H317 4.1/C2 Aquatic Chronic 2 H411
>= 3% - < 5%	1-methoxy-2-propanol	CAS: 107-98-2	2.6/3 Flam. Liq. 3 H226 3.8/3 STOT SE 3 H336
>= 1% - < 3%	benzyl alcohol	CAS: 100-51-6	3.1/4/Oral Acute Tox. 4 H302 3.1/4/Inhal Acute Tox. 4 H332

### 4. First-aid measures

#### 4.1 First aid measures:

<b>Contact with skin</b>	Immediately take off all contaminated clothing. Seek immediate medical advice. After contact with skin, wash immediately with soap and plenty of water
<b>Contact with eyes</b>	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.
<b>Ingestion</b>	Do not induce vomiting. Seek medical advice immediately
<b>Inhalation</b>	Remove casualty to fresh air and keep warm and at rest
<b>4.2 Most important symptoms</b>	None
<b>4.3 Medical attention</b>	In case of unwellness, seek medical advice immediately

**Treatment** None

## 5. Firefighting measures

- 5.1 Extinguishing media** Suitable media:  
Water  
Carbon dioxide (CO<sub>2</sub>)  
Media which must not be used:  
None in particular
- 5.2 Special hazards** Do not inhale explosion and combustion gases  
Burning produces heavy smoke
- 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

## 6. Accidental release measures

- 6.1 Individual precautions** Wear protective garments, gloves, glasses  
Wear breathing apparatus if exposed to dusts  
Provide adequate ventilation  
Use appropriate respiratory protections  
See protective measures under point 7 and 8
- 6.2 Environmental precaution** Do not allow to enter 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 Cleaning methods** Collect as much product as possible, possibly absorb the residue with inert material.  
Wash the area with water. Remove everything in compliance with the relevant regulation.

## 7. Handling and storage

- 7.1 Handling precautions** Avoid contact with skin and eyes, inhalation of dusts and mists  
Do not eat or drink during handling  
Use with adequate ventilation  
Avoid inhalation of vapours and mists  
Don't use empty container before they have been cleaned  
Contaminated clothing should be changed before entering eating areas.
- 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** 1-methoxy-2-propanol - CAS: 107-98-2  
OEL Type: EU - TWA(8h): 375 mg/m<sup>3</sup>, 100 ppm - STEL: 563 mg/m<sup>3</sup>, 150 ppm -

Notes: Skin

OEL Type: ACGIH - TWA(8h): 50 ppm - STEL: 100 ppm - Notes: A4 - Eye and URT  
irr

#### **DNEL Exposure Limit Values**

reaction product: bisphenol-A-epichlorhydrin; epoxy resin (number average  
molecular weight <= 700) - CAS: 25068-38-6

Worker Professional: 8.33 mg/kg - Exposure: Human Dermal - Frequency: Long  
Term (repeated)

Worker Professional: 8.33 mg/kg - Exposure: Human Dermal - Frequency: Short  
Term (acute)

Worker Professional: 0.012 mg/l - Exposure: Human Inhalation - Frequency: Short  
Term (acute)

Worker Professional: 0.012 mg/l - Exposure: Human Inhalation - Frequency: Long  
Term (repeated)

1-methoxy-2-propanol - CAS: 107-98-2

Consumer: 3.3 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic  
effects

Consumer: 43.9 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short Term,  
systemic effects

Worker Professional: 553.5 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency:  
Short Term, local effects

Worker Professional: 369 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long  
Term, systemic effects

Worker Professional: 50.6 mg/kg, Consumer: 18.1 mg/kg - Exposure: Human  
Dermal - Frequency: Long Term, systemic effects

benzyl alcohol - CAS: 100-51-6 Consumer: 25 mg/kg - Exposure: Human Oral -  
Frequency: Short Term, systemic effects

Consumer: 5 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic  
effects

Worker Professional: 47 mg/kg - Exposure: Human Dermal - Frequency: Short  
Term, systemic effects

Worker Professional: 9.5 mg/kg - Exposure: Human Dermal - Frequency: Long  
Term, systemic effects

Worker Professional: 450 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Short  
Term, systemic effects

Worker Professional: 90 mg/m<sup>3</sup> - Exposure: Human Inhalation - Frequency: Long  
Term, systemic effects

#### **PNEC Exposure Limit Values**

reaction product: bisphenol-A-epichlorhydrin; epoxy resin (number average  
molecular weight <= 700) - CAS: 25068-38-6

Target: Fresh Water - Value: 0.006 mg/l

Target: Freshwater sediments - Value: 0.0627 mg/kg N355001/1

Target: Marine water - Value: 0.0006 mg/l

Target: Marine water sediments - Value: 0.00627 mg/kg

Target: Microorganisms in sewage treatments - Value: 10 mg/l

1-methoxy-2-propanol - CAS: 107-98-2  
 Target: Fresh Water - Value: 10 mg/l  
 Target: Marine water - Value: 1 mg/l Target: Freshwater sediments - Value: 41.6 mg/kg  
 Target: Marine water sediments - Value: 4.17 mg/kg  
 Target: Microorganisms in sewage treatments - Value: 100 mg/l  
 Target: Soil (agricultural) - Value: 2.47 mg/kg

benzyl alcohol - CAS: 100-51-6  
 Target: Soil (agricultural) - Value: 0.456 mg/kg  
 Target: Freshwater sediments - Value: 5.27 mg/kg  
 Target: Marine water sediments - Value: 0.527 mg/kg  
 Target: Marine water - Value: 0.1 mg/l  
 Target: Fresh Water - Value: 1 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	Paste
Colour	White
Odour	Characteristic
pH value	N.A.
Melting / freezing point:	N.A.
Boiling point	N.A.
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	N.A.
Fat Solubility	N.A.
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	None
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 irritation 2 H315
Serious eye damage	The product is classified: Eye Irrit. 2 H319
Respiratory sensitisation	Not classified. No data available for the product
Skin sensitisation	The product is classified: May cause an allergic skin reaction 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

Toxicological information of the main substances found in the product:

Reaction product: bisphenol-A-epichlorhydrin; epoxy resin (number average molecular weight  $\leq$  700) - CAS: 25068-38-6 a)

acute toxicity: Test: LD50 - Route: Oral - Species: Rat = 15000 mg/kg Test: LD50 - Route: Skin - Species: Rat = 23000 mg/kg b)

skin corrosion/irritation: Test: Skin Irritant Positive c)

serious eye damage/irritation: Test: Eye Irritant Positive

1-methoxy-2-propanol - CAS: 107-98-2

a) acute toxicity: Test: LD50 - Route: Oral - Species: Rat 5300 mg/kg Test: LD50 - Route: Skin - Species: Rabbit 13000 mg/kg Test: LC50 - Route: Inhalation - Species: Rat 54.6 mg/l - Duration: 4h

benzyl alcohol - CAS: 100-51-6

a) acute toxicity: Test: LD50 - Route: Oral - Species: Rat = 1620 mg/kg Test: LC50 - Route: Inhalation - Species: Rat > 4178 mg/m<sup>3</sup> - Duration: 4h Test: LD50 - Route: Skin - Species: Rabbit = 2000 mg/kg e)

germ cell mutagenicity: Test: Mutagenesis Positive - Source: OECD 476 in vitro Test: Mutagenesis Negative - Source: OECD 474 g)

reproductive toxicity: Test: Reproductive Toxicity - Route: Oral - Species: Mouse Positive 750 mg/kg - Notes: 192h Test: Reproductive Toxicity - Route: Oral - Species: Mouse Negative 550 mg/kg - Notes: 240h

## 12. Ecological information

### 12.1 Toxicity

Do not disperse the product in the environment.

Waste waters and residues do not have to be poured into drains, into the ground or in watercourses.

The product is classified: Aquatic Chronic 3 - H412

reaction product: bisphenol-A-epichlorhydrin; epoxy resin (number average molecular weight  $\leq$  700) - CAS: 25068-38-6

a) Aquatic acute toxicity:

Endpoint: NOEC - Species: Daphnia = 0.3 mg/l - Notes: 21 d

Endpoint: EC50 - Species: Daphnia = 1.8 mg/l - Duration h: 48

Endpoint: LC50 - Species: Fish = 2 mg/l - Duration h: 96

1-methoxy-2-propanol - CAS: 107-98-2

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia > 500 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 72

benzyl alcohol - CAS: 100-51-6

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 230 mg/l - Duration h: 48

Endpoint: EC50 - Species: Algae = 700 mg/l - Duration h: 72

Endpoint: LC50 - Species: Fish = 460 mg/l - Duration h: 96  
c) Bacteria toxicity: Endpoint: EC50 = 390 mg/l - Duration h: 24

<b>12.1 Persistence degradab.</b>	N.A.
<b>12.3 Bioaccumulative poten.</b>	N.A.
<b>12.4 Mobility un soil</b>	N.A.
<b>12.5 PBT, vPvB assessment</b>	cPvB substances: None – PBT substances: none
<b>12.6 Other adverse effects</b>	None

### 13. Information on disposal

<b>Waste treatment methods</b>	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).
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### 14. Information on transport

<b>14.1 UN number</b>	The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.
<b>By road</b>	non-hazardous material, non-flammable, non-explosive, not subject to regulation (A.D.R.)
<b>By rail</b>	non-hazardous material, non-flammable non-explosive, not subject to regulation (RID)
<b>By sea</b>	non-hazardous material, non-flammable, non-explosive, not subject to regulation (IMDG Code)
<b>By air</b>	non-hazardous material, non-flammable, non-explosive, not subject to regulation (IATA)
<b>For US Department of Transportation:</b>	Proper shipping name: none Hazard Class: none ID Number: none Packaging Group: none

### 15. Regulatory information

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	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
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(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
Warning	Eye irritation	2	H319: Causes serious eye irritation
Warning	Skin irritation	2	H315: Causes skin irritation
Warning	Skin sensitisation	1	H317: May cause an allergic skin reaction
	Aquatic Chronic 3		H412: Harmful to aquatic life with long lasting effects.

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 irritation 2, H319	Calculation method
Skin Irritation 2, H315	Calculation method
Skin Sensitisation 1 H317	Calculation method
Aquatic Chronic 3, H412	Calculation method

### ADR

European Agreement concerning International Carriage of Dangerous Goods by Road

### ATE

Acute Toxicity Estimate

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