

SAFETY DATA SHEET

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

SALDA METALLI SIRINGA MIX - Resin
cod. 57043001
Revision: 3.2.1 / EN

Page 1 of 9

Date of print: 12/04/2024
Date of review: 12/04/2024

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

1.1. Product identifier

Mixture identification:

Trade name: SALDA METALLI UNIMETAL SIRINGA MIX - Resin cod. 57043001

UFI: E880-J02J-S006-5250

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

Intended use EPOXY ADHESIVE. To be used in combination with SALDA METALLI SIRINGA MIX - Hardener

Uses advised against This product is not recommended for all those uses not specifically identified on the label.

1.3. Details of the supplier of the safety data sheet

Company: Saratoga Int. Sforza S.p.A.
Via Edison, 76
20090 Trezzano s/Naviglio (MI)
ITALIA
Telephone: Tel. +39 02 445731
Telefax: Fax +39 02 4452742
E-mail address: trading@saratogasforza.com

1.4. Emergency telephone number

CAV - Ospedale Pediatrico "Bambino Gesù" - Roma - Tel. +39 06 68593726 (h24)
CAV - Azienda Ospedaliero-Universitaria Foggia - Foggia - Tel. +39 0881 732326 (h24)
CAV - Azienda Ospedaliera "A. Cardarelli" - Napoli - Tel. +39 081 7472870 (h24)
CAV - Policlinico "Umberto I" - Roma - Tel. +39 06 4450618 (h24)
CAV - Policlinico "A. Gemelli" - Roma - Tel. +39 06 3054343 (h24)
CAV - Azienda Ospedaliera "Careggi" U.O. Tossicologia Medica - Firenze - Tel. +39 055 7947819(h24)
CAV - Centro Nazionale di Informazione Tossicologica - Pavia - Tel. +39 0382 24444 (h24)
CAV - Ospedale "Niguarda Ca' Granda" - Milano - Tel. +39 02 66101029 (h24)
CAV - Azienda Ospedaliera "Papa Giovanni XXIII" - Bergamo - Tel. +39 800 883300 (h24)
CAV - Azienda Ospedaliera Integrata Verona - Verona - Tel. +39 800 011858 (h24)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)



Warning, Skin Irrit. 2, Causes skin irritation.



Warning, Eye Irrit. 2, Causes serious eye irritation.



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



Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

SAFETY DATA SHEET

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

SALDA METALLI SIRINGA MIX - Resin

cod. 57043001

Revision: 3.2.1 / EN

Page 2 of 9

Date of print: 12/04/2024

Date of review: 12/04/2024

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

EUH205 Contains epoxy constituents. May produce an allergic reaction.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P261 Avoid breathing vapours.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing. Eyes and face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and 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.

P337+P313 If eye irritation persists: Get medical advice, attention.

P501 Dispose of contents and container in authorized collection centers.

Contains

bis-[4-(2,3-epoxipropoxy)phenyl]propane

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol

On the tube, the hazard and precautionary statements are not all present on the packaging, as the content is 25 ml (<125 ml).

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 $\geq 0.1\%$









Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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

Qty	Name	Ident. Number	Classification
$\geq 80\%$ - $< 90\%$	bis-[4-(2,3-epoxipropoxy)phenyl]propane	Index number: 603-073-00-2 CAS: 1675-54-3 EC: 216-823-5 REACH No.: 01-2119456619-26	 3.3/2 Eye Irrit. 2 H319  4.1/C2 Aquatic Chronic 2 H411  3.2/2 Skin Irrit. 2 H315  3.4.2/1 Skin Sens. 1 H317 Specific Concentration Limits: C $\geq 5\%$: Eye Irrit. 2 H319 C $\geq 5\%$: Skin Irrit. 2 H315
$\geq 5\%$ - $< 7\%$	Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	CAS: 9003-36-5 EC: 500-006-8 REACH No.: 01-2119454392-40	 3.2/2 Skin Irrit. 2 H315  3.4.2/1 Skin Sens. 1 H317  4.1/C2 Aquatic Chronic 2 H411 Specific Concentration Limits: C $\geq 10\%$: Skin Irrit. 2 H315 C $\geq 1\%$: Skin Sens. 1 H317 C $\geq 25\%$: Aquatic Chronic 2 H411 2,5% \leq C $< 25\%$: Aquatic Chronic 3 H412 C $\geq 25\%$: Aquatic Chronic 4 H413
$\geq 2.5\%$ - $< 3\%$	[3-(2,3-EPOSSIPOPOSSI) PROPIL]	CAS: 2530-83-8 EC: 219-784-2 REACH No.: 01-	 3.3/1 Eye Dam. 1 H318 Specific Concentration Limits: C $\geq 3\%$: Eye Dam. 1 H318

SAFETY DATA SHEET

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

SALDA METALLI SIRINGA MIX - Resin
cod. 57043001
Revision: 3.2.1 / EN

Page 3 of 9

Date of print: 12/04/2024
Date of review: 12/04/2024

	TRIMETOSSISILANO	2119513212-58	1% <= C < 3%: Eye Irrit. 2 H319
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SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately 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 ophthalmologist 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.

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

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

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

SAFETY DATA SHEET

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

SALDA METALLI SIRINGA MIX - Resin
cod. 57043001
Revision: 3.2.1 / EN

Page 4 of 9

Date of print: 12/04/2024
Date of review: 12/04/2024

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:

Contaminated 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.

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

N.A.

PNEC Exposure Limit Values

N.A.

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:	Paste	--	--
Colour:	Grey	--	--
Odour:	Light	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	>+250°C	--	--
Flammability:	Not flammable	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	>+150°C	--	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	N.A.	--	The mixture is not self-reactive

SAFETY DATA SHEET**According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH**

SALDA METALLI SIRINGA MIX - Resin
cod. 57043001
Revision: 3.2.1 / EN

Page 5 of 9

Date of print: 12/04/2024
Date of review: 12/04/2024

pH:	N.A.	--	--
Kinematic viscosity:	> 20,5 mm ² /sec (+40 °C)	--	--
Solubility in water:	Insoluble in water	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	It is a mixture
Vapour pressure:	N.A.	--	--
Density and/or relative density:	1 g/ml	--	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	It is not a solid

9.2. Other information

Properties	Value	Method:	Notes
Explosive properties:	No	--	--
Viscosity:	>20.5 mm ² /s +40°C	--	--
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:

SALDA METALLI SIRINGA MIX - Resin

- a) acute toxicity
Not classified
Based on available data, the classification criteria are not met
- b) skin corrosion/irritation
The product is classified: Skin Irrit. 2 H315
- c) serious eye damage/irritation
The product is classified: Eye Irrit. 2 H319
- d) respiratory or skin sensitisation
The product is classified: Skin Sens. 1 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

SAFETY DATA SHEET

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

SALDA METALLI SIRINGA MIX - Resin
cod. 57043001
Revision: 3.2.1 / EN

Page 6 of 9

Date of print: 12/04/2024
Date of review: 12/04/2024

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:

[3-(2,3-EPOSSIPROPOSSI) PROPIL] TRIMETOSSISILANO - CAS: 2530-83-8

a) acute toxicity:

Test: LC50 - Route: EPY_INHALATION 5.3 - Notes: Rat - Fischer 344

Test: LD50 - Route: EPY_DERMAL 4250 - Notes: Rabbit - New Zeland white

Test: LD50 - Route: EPY_ORAL 8025 - Notes: Rat - Wistar

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

12.1. Toxicity

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

SALDA METALLI SIRINGA MIX - Resin

The product is classified: Aquatic Chronic 2 - H411

[3-(2,3-EPOSSIPROPOSSI) PROPIL] TRIMETOSSISILANO - CAS: 2530-83-8

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia 324 - Notes: Simocephalus vetulus

Endpoint: LC50 - Species: Fish 55 - Notes: Cyprinus carpio

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 $\geq 0.1\%$

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:

3082

SAFETY DATA SHEET

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

SALDA METALLI SIRINGA MIX - Resin
cod. 57043001
Revision: 3.2.1 / EN

Page 7 of 9

Date of print: 12/04/2024
Date of review: 12/04/2024

- IATA-UN Number: 3082
IMDG-UN Number: 3082
- 14.2. UN proper shipping name
ADR-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(bis-[4-(2,3-epoxipropoxi)phenyl]propane, Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol)
IATA-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(bis-[4-(2,3-epoxipropoxi)phenyl]propane, Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol)
IMDG-Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(bis-[4-(2,3-epoxipropoxi)phenyl]propane, Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol)
- 14.3. Transport hazard class(es)
ADR-Class: 9
ADR - Hazard identification number: 90
IATA-Class: 9
IATA-Label: 9
IMDG-Class: 9
- 14.4. Packing group
ADR-Packing Group: III
IATA-Packing group: III
IMDG-Packing group: III
- 14.5. Environmental hazards
ADR-Environmental Pollutant: Yes
IMDG-Marine pollutant: Marine Pollutant
Most important toxic component: bis-[4-(2,3-epoxipropoxi)phenyl]propane
IMDG-EmS: F-A , S-F
- 14.6. Special precautions for user
ADR-Subsidiary hazards: -
ADR-S.P.: 274 335 375 601
ADR-Transport category (Tunnel restriction code): 3 (-)
IATA-Passenger Aircraft: 964
IATA-Subsidiary hazards: -
IATA-Cargo Aircraft: 964
IATA-S.P.: A97 A158 A197 A215
IATA-ERG: 9L
IMDG-Subsidiary hazards: -
IMDG-Stowage and handling: Category A
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)

SAFETY DATA SHEET**According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH**

SALDA METALLI SIRINGA MIX - Resin
cod. 57043001
Revision: 3.2.1 / EN

Page 8 of 9

Date of print: 12/04/2024
Date of review: 12/04/2024

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

Volatile Organic compounds - VOCs = 0.00 g/l

Volatile CMR substances = 0.00 %

Halogenated VOCs which are assigned the risk phrase R40 = 0.00 %

Organic Carbon - C = 0.00

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

Product belongs to category: E2

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:

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

H318 Causes serious eye damage.

Hazard class and hazard category	Code	Description
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
Aquatic Chronic 2	4.1/C2	Chronic (long term) aquatic hazard, category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3
Aquatic Chronic 4	4.1/C4	Chronic (long term) aquatic hazard, category 4

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 Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 2, H411	Calculation method

SAFETY DATA SHEET

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

SALDA METALLI SIRINGA MIX - Resin
cod. 57043001
Revision: 3.2.1 / EN

Page 9 of 9

Date of print: 12/04/2024
Date of review: 12/04/2024

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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.