Revision nr. 1

Dated 03/08/2020

First compilation

Printed on 03/08/2020
Page n. 1/15

ELECTROCONDUCTIVE SILVER GLUE

Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

1.1. Product identifier

Code: 411 00 19410-6045A

Product name ELECTROCONDUCTIVE SILVER GLUE

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

Intended use Electroconductive epoxy adhesive

1.3. Details of the supplier of the safety data sheet

Name Meccanocar Italia S.r.I.
Full address Via San Francesco, 22
District and Country 56033 Capannoli (PI)

Italy

Tel. +39 0587 609433 Fax +39 0587 607145

e-mail address of the competent person

responsible for the Safety Data Sheet moreno.meini@meccanocar.it

1.4. Emergency telephone number

For urgent inquiries refer to National Poisons Information Service: +44 121 507 4123

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Eye irritation, category 2 H319 Causes serious eye irritation.

Skin irritation, category 2 H315 Causes skin irritation.

Skin sensitization, category 1 H317 May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic toxicity, H411 Toxic to aquatic life with long lasting effects.

category 2

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:

Revision nr. 1

Dated 03/08/2020

First compilation

Printed on 03/08/2020
Page n. 2/15

ELECTROCONDUCTIVE SILVER GLUE





Signal words: Warning

Hazard statements:

H319 Causes serious eye irritation.

H315 Causes skin 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:

P280 Wear protective gloves / eye protection / face protection.

P273 Avoid release to the environment.

P391 Collect spillage.

P261 Avoid breathing dust / fume / gas / mist / vapours / spray.
P333+P313 If skin irritation or rash occurs: Get medical advice / attention.
P337+P313 If eye irritation persists: Get medical advice / attention.

Contains: REACTION PRODUCT: BISPHENOL-A-EPICHLORHYDRINE

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification x = Conc. % Classification 1272/2008 (CLP)

REACTION PRODUCT: BISPHENOL-A-

EPICHLORHYDRINE

CAS 25068-38-6 30 ≤ x < 32,5 Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2

H411

EC 500-033-5

INDEX 603-074-00-8

Reg. no. 01-2120092687-40-XXXX

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

Meccanocar Italia S.r.I. Revision nr. 1 Dated 03/08/2020 First compilation Printed on 03/08/2020 Page n. 3/15

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

INHALĂTION: Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Meccanocar Italia S.r.I. Revision nr. 1 Dated 03/08/2020 First compilation Printed on 03/08/2020 Page n. 4/15

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Information not available

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of

Revision nr. 1

Dated 03/08/2020

First compilation

Printed on 03/08/2020

Page n. 5/15

ELECTROCONDUCTIVE SILVER GLUE

various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

pasty liquid

SILVER

Respiratory protection: A properly installed and compliant particulate filter respirator is required if a risk assessment indicates that this is necessary (e.g. for work / heat treatment with insufficient ventilation). Recommended filter for short-term use: P2 filter

Eye protection: safety glasses such as glasses conforming to an approved standard must be used when a risk assessment indicates that this is necessary to avoid exposure to splashes of liquids, mists or dusts (for example: when using silver liquid or during the appearance of dust).

Hand and body protection: wear flame retardant, thermal and chemical resistant protective clothing (such as waterproof gloves or gloves conforming to an approved standard) if a risk assessment indicates that this is necessary (e.g. when using the silver in liquid form).

REACTION PRODUCT: BISPHENOL-A-EPICHLORHYDRINE

Hand protection

Appearance

- Always wear impervious chemical resistant gloves that conform to an approved standard when handling chemicals if a risk assessment indicates that this is necessary.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Colour silver Odour characteristic Odour threshold Not available рΗ Not available Melting point / freezing point Not available Initial boiling point > 93 °C Boiling range Not available > 93 °C Flash point Not available Evaporation rate Flammability (solid, gas) Not available Lower inflammability limit Not available Upper inflammability limit Not available Lower explosive limit Not available Upper explosive limit Not available Vapour pressure Not available Vapour density Not available

Revision nr. 1

Dated 03/08/2020
First compilation

Printed on 03/08/2020

Page n. 6/15

ELECTROCONDUCTIVE SILVER GLUE

Relative density 4 g/cm3

Solubility insoluble in water

Partition coefficient: n-octanol/water Not available

Auto-ignition temperature Not available

Decomposition temperature Not available

Viscosity Not available

Explosive properties Not available

Oxidising properties Not available

9.2. Other information

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

REACTION PRODUCT: BISPHENOL-A-EPICHLORHYDRINE

Avoid contact with incompatible materials and conditions.

10.5. Incompatible materials

SILVER

Acetylene - Dangerous reactions can form with acetylene in an explosive acetylide silver.

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using

Revision nr. 1

Dated 03/08/2020

First compilation

Printed on 03/08/2020

Page n. 7/15

ELECTROCONDUCTIVE SILVER GLUE

the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:

Not classified (no significant component)

LD50 (Oral) of the mixture:

Not classified (no significant component)

LD50 (Dermal) of the mixture:

Not classified (no significant component)

SILVER

Method: OECD 423

Reliability: 2

Species: Rat (Sprague-Dawley; female)

Route of exposure: Oral Results: LD50> 2000 mg / kg

Method: OECD 436

Reliability: 1

Species: Rat (Crj: CD (SD); male / female)

Route of exposure: Inhalation Results: LC50> 5.16 mg / L air

Method: OECD 402

Reliability: 2

Species: Rat (Sprague-Dawley; male / female)

Route of exposure: Dermal Results: LD50> 2000 mg / kg

REACTION PRODUCT: BISPHENOL-A-EPICHLORHYDRINE

Method: OECD 420 Reliability: 2

Species: Rat (Wistar; female) Route of exposure: Oral Results: LD50> 2000 mg / kg bw

SKIN CORROSION / IRRITATION

Revision nr. 1

Dated 03/08/2020

First compilation

Printed on 03/08/2020 Page n. 8/15

ELECTROCONDUCTIVE SILVER GLUE

Causes skin irritation

SILVER

Method: OECD 404 Reliability: 2

Species: Rabbit (New Zealand White)

Route of exposure: Dermal Results: Not irritating

REACTION PRODUCT: BISPHENOL-A-EPICHLORHYDRINE

Method: Not indicated

Reliability: 1
Species: Rabbit (clipped fur) Route of exposure: Dermal Results: Not irritating

Bibliographic reference: Experimental Carcinogenicity and Acute Toxicity of Representative Epoxides, Weil, C.S., Condra, N., Haun, C. and Striegel, J.A.

(1963)

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

SILVER

Method: OECD 405

Reliability: 2

Species: Rabbit (New Zealand White)

Route of exposure: Ocular Results: Non-irritating

REACTION PRODUCT: BISPHENOL-A-EPICHLORHYDRINE

Method: OECD 405

Reliability: 1

Species: Rabbit (New Zealand White)

Route of exposure: Ocular Results: Not irritating

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

SILVER

Method: OECD 487-In vitro test

Reliability: 1

Species: Lymphocytes

Results: Negative with and without metabolic activation

REACTION PRODUCT: BISPHENOL-A-EPICHLORHYDRINE

ELECTROCONDUCTIVE SILVER GLUE

Revision nr. 1

Dated 03/08/2020

First compilation

Printed on 03/08/2020

Page n. 9/15

Method: Not indicated - in vitro test

Reliability: 1 Species: Mouse

Results: Positive with and without metabolic activation

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

Adverse effects on development of the offspring SILVER

Method: Equivalent or similar to OECD 414

Reliability: 1

Species: Rat (Sprague-Dawley) Route of exposure: Oral Results: Not classified

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

SILVER

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

REACTION PRODUCT: BISPHENOL-A-EPICHLORHYDRINE

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for single exposure.

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

SILVER

Method: OECD 408 Reliability: 2

Species: Rat (Fischer 344; male / female)

Route of exposure: Oral

Results: NOAEL = 30 mg / kg bw / day

Method: OECD 413 Reliability: 2

Species: Rat (Sprague-Dawley; male / female) Route of exposure: Inhalation (aerosol)

Results: Not classified

REACTION PRODUCT: BISPHENOL-A-EPICHLORHYDRINE

Based on available data and through expert judgment, the substance is not classified in the target organ toxicity class for repeated or prolonged exposure.

ASPIRATION HAZARD

Revision nr. 1

Dated 03/08/2020

First compilation

Printed on 03/08/2020 Page n. 10/15

ELECTROCONDUCTIVE SILVER GLUE

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on acquatic environment. 12.1. Toxicity

REACTION PRODUCT: BISPHENOL-A-

EPICHLORHYDRINE

EC50 - for Algae / Aquatic Plants 9 mg/l/72h

12.2. Persistence and degradability

REACTION PRODUCT: BISPHENOL-A-

EPICHLORHYDRINE

Solubility in water 0,1 - 100 mg/l

NOT rapidly degradable

12.3. Bioaccumulative potential

REACTION PRODUCT: BISPHENOL-A-

EPICHLORHYDRINE

Partition coefficient: n-octanol/water > 2,918
BCF 31

12.4. Mobility in soil

REACTION PRODUCT: BISPHENOL-A-

EPICHLORHYDRINE

Partition coefficient: soil/water 2,65

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

ELECTROCONDUCTIVE SILVER GLUE

Revision nr. 1

Dated 03/08/2020 First compilation

Printed on 03/08/2020

Page n. 11/15

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SII VFR

The product can be reused after treatment. Return material to the metal recovery refinery.

REACTION PRODUCT: BISPHENOL-A-EPICHLORHYDRINE

-Where more than two types of designated waste are mixed, it is difficult to treat separately, in which case reduction or stabilization by incineration or similar processes is recommended.

- if water separation is possible, pre-process with the water separation process.
- Dispose of by incineration.
- Incinerate the oil by separating oil and water
- The rest of the water after separation will be processed in a water pollution prevention plant.
- The incineration or stabilization residues can be treated by evaporation and concentration.
- Incineration residues can be treated with the agglomerate.
- Any materials remaining after incineration or stabilization must be purified by separation / distillation / extraction / filtration / pyrolysis

SECTION 14. Transport information

14.1. UN number

ADR / RID, IMDG,

3082

IATA: ADR / RID:

IATA:

ADR / RID: In accordance with Special

Provision 375, this product, when is packed in receptacles of a capacity ≤ 5Kg or 5L, is not submitted to ADR provisions.

IMDG: In accordance with Section

2.10.2.7 of IMDG
Code, this
product, when is
packed in
receptacles of a
capacity ≤ 5Kg or
5L, is not
submitted to
IMDG Code
provisions.
In accordance
with SP A197,
this product,

with SP A197, this product, when is packed in receptacles of a capacity ≤ 5Kg or

5L, is not submitted to IATA dangerous goods regulations.

14.2. UN proper shipping name

ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Revision nr. 1

Dated 03/08/2020

First compilation

Printed on 03/08/2020

Page n. 12/15

ELECTROCONDUCTIVE SILVER GLUE

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR / RID: Class: 9 Label: 9

IMDG: Class: 9 Label: 9

IATA: Class: 9 Label: 9



14.4. Packing group

ADR / RID, IMDG, IATA:

Ш

14.5. Environmental hazards

Environmentally ADR / RID:

Hazardous

IMDG: Marine Pollutant

IATA: Environmentally

Hazardous



14.6. Special precautions for user

ADR / RID: HIN - Kemler: 90 Limited Tunnel Quantities: 5 restriction code: (-)

Special Provision: -

Cargo:

IMDG: EMS: F-A, S-F Limited Quantities: 5

Maximum

Packaging instructions:

instructions: 964

964 Packaging

quantity: 450

Pass.: Maximum

quantity: 450

Special Instructions: A97, A158,

A197

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

IATA:

SECTION 15. Regulatory information

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

Revision nr. 1

Dated 03/08/2020
First compilation

Printed on 03/08/2020

Page n. 13/15

ELECTROCONDUCTIVE SILVER GLUE

Seveso Category - Directive 2012/18/EC: E2

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Eye Irrit. 2 Eye irritation, category 2
Skin Irrit. 2 Skin irritation, category 2
Skin Sens. 1 Skin sensitization, category 1

Aquatic Chronic 2 Hazardous to the aquatic environment, chronic toxicity, category 2

H319 Causes serious eye irritation.

H315 Causes skin 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.

Revision nr. 1

Dated 03/08/2020

First compilation

Printed on 03/08/2020

Page n. 14/15

ELECTROCONDUCTIVE SILVER GLUE

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament 10. Regulation (EÚ) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2018/1480 (XIII Atp. CLP) 16. Regulation (EU) 2019/521 (XII Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Product's classification is based on the calculation methods set out in Annex I of the CLP Regulation, unless otherwise indicated in sections 11 and 12. The data for evaluation of chemical-physical properties are reported in section 9.

	I Durining on 4
Meccanocar Italia S.r.l.	Revision nr. 1
	Dated 03/08/2020
	First compilation
ELECTROCONDUCTIVE SILVER GLUE	Printed on 03/08/2020
	Page n. 15/15