

Safety data sheet
According to Regulation n. 1907/2006 and Regulation 830/2015
Silver carbonate 780%



Revision n. VIII del 01.21.2019
Replace revision n VII of 06.01.2015

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

1.1 Product Identifier

Chemical name Silver carbonate
C.A.S. Registry Number 534-16-7
EINECS number 208-590-03
Molecular weight 275,75
Chemical Formula Ag_2CO_3

1.2 Pertinent use of the substance and recommended use

Chemical and / or pharmaceutical and / or photographic industry

1.3 Informations about the furniture of the safety data sheet

Name FAGGI ENRICO S.P.A.
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Telephone number 055311861
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Competent person responsible for the safety data sheet lorenzo.magaldi@faggi.it
Emergency telephone number Tel. 0557947819 Centro Antiveleni di Firenze

1.5 Registration number

For this product is not available a registration number as the annual produced or imported quantity is below one ton.

2. HAZARDS IDENTIFICATION

2.1 Classification of the mixture in accordance with Regulation (CE) n. 1272/2008

Hazard classes	Category codes	Hazard statements
Eye dam.	1	H318
Aquatic acute	1	H400
Aquatic chronic	1	H410

2.2 Label elements

Pittogrammi



Warnings	DANGER	
Hazard statements	H318	Causes serious eye damage
	H410	Very toxic to aquatic life with long lasting effects
Safety Advice	P280	Wear protective gloves/protective clothing/eye protection/face protection
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do –

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Revision n. VIII del 01.21.2019
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P310 continue rinsing.
 Immediately call a POISON CENTER
 P501 Dispose of contents / container in
 accordance with the local / regional /
 national / international regulations

- **Further Informations Results of PBT e vPvB** None
PBT : not applicable
vPvB : not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1

Substance

Cas number 534-16-7-
 EINECS number 208-590-03

4. FIRST-AID MEASURES

4.1

Description of the first-aid measures

Inhalation Bring to fresh air immediately. If not breathing provide artificial respiration or oxygen. Call immediately a doctor for medical treatment
 Ingestion Consult a doctor immediately for medical treatment. Rinse out mouth. Give plenty of water.
 Skin contact Generally the product does not irritate the skin
 Eye contact Keeping the eye open, thoroughly rinse immediately with plenty of water. A doctor should be consulted.

Recommendations:

- **Need for immediate medical attention** YES
- **Possibility of delayed effects subsequent the exposition** YES
- **Move the exposed individual from the area to fresh air** YES
- **Remove clothes and shoes from the individual** YES
- **Modality of manipulation of contaminated garments** With gloves
- **For lenders of first aid, wear the DPI** YES

4.2

Main symptoms and effects both acute and delayed

After inhalation or ingestion: sore throat, cough, burning sensation. Breath wheezing, difficulty breathing. Lips and nails and blue skin. Dizziness, headaches, nausea. Confusion, convulsions, unconsciousness. Symptoms may be delayed. Abdominal pain, burning sensation. Shock or collapse.
 After contact with skin: pain, redness, burns, blisters.
 In case of eye contact: redness, pain. Severe deep burns. Loss of view

4.3

Indication of the possible urgency to consult immediately a doctor or of special treatments

A doctor should be consulted immediately. Clean the whole contaminated area of the body, including the scalp and nails.

5. FIREFIGHTING MEASURES

5.1

Extinguishing media

Suitable extinguishing media CO2, powder, water spray, foam. Fight larger fires with water spray or alcohol resistant to foam
 Unsuitable None

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- extinguishing media
- 5.2** **Special hazards arising from the substance or the mixture**
Informations are not available
- 5.3** **Advice for firefighters**
General information: Avoid that the water used to extinguish the fire goes into sewage system, aquifers or to superficial waters.
- Equipment: Normal garments for firefighting, as an air breathing apparatus (ref. standard EN 137) or fresh air hose breathing, protective clothing for welding (EN 469), flame resistant gloves (EN659) and fireman's boots (HOA29 or A30)
- 6. ACCIDENTAL RELEASE MEASURES**
- 6.1** **Personal precautions, protective equipment and emergency procedures**
- 6.1.1. For non-emergency personnel**
None in particular
- 6.1.2. For emergency responders**
Wear protective gloves and glasses
- 6.2** **Environmental precautions**
Prevent product from going into sewers and water sources or soil
- 6.3** **Methods and materials for containment and clean-up**
- 6.3.1. Recommendations about the methods of containment of a spill**
None
- 6.3.2. Recommendations about the methods of reclamation of a spill**
Collect the product mechanically
- 6.3.3. Any other informations**
None
- 6.4** **Reference to other sections**
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- 7. HANDLING AND STORAGE**
- 7.1.** **Precautions for safe handling**
- 7.1.1. Recommendations that allow safe handling of the substance or mixture, such as containment and measures to prevent fine as well as aerosol and dust generation**
No special measures. Avoid generation of dust
- 7.1.2. Advice on general occupational hygiene**
Do not eat, drink or smoke in designated work areas. Wash hands after handling. To remove contaminated clothing and protective equipment before entering eating areas
- 7.2.** **Conditions for safe storage, including any incompatibilities**
- 7.2.1. Risk management decisions arising from explosive atmospheres, corrosive conditions, flammability hazards, incompatible materials, evaporative conditions, potential ignition sources**
No special measures
- 7.2.3. Containment of the effects of weather conditions, pressure, temperature, sunlight, humidity and vibrations**
Store in closed, labeled containers away from sunlight
- 7.2.4. Conditions to maintain the integrity of the substance or mixture**
Close the containers immediately after use
- 7.2.5. Decisions about ventilation requirements, specific design for storage**

Safety data sheet
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Silver carbonate 780%



Revision n. VIII del 01.21.2019
 Replace revision n VII of 06.01.2015

rooms or vessels, quantitative limits in storage conditions , compatibility of the packaging.

The storage rooms must be ventilated and closed

7.3.

Specific end use

Electroplating industry

8.

EXPOSURE CONTROL/ INDIVIDUAL PROTECTION

8.1.

Controller parameters

534-16-7 silver carbonate MAK (Germany) E 0.01 mg / m³

8.2.

Exposure controls

8.2.1. Appropriate engineering controls

Periodically carry personal environmental samples and clinical examinations

8.2.2. Individual measures, such as personal protective equipment

Eye/face protection

Protective glasses complying with 89/686/CEE and EN166:2001 regulation

Skin protection (hands)

Protective gloves material complying with EN420 and E374 regulations

Skin protection (body)

Not necessary

Respiratory protection

Not necessary

Thermal hazards

None

8.2.3. Environmental exposure controls

Prevent the spillage of cyanide-containing solutions in groundwater, soil, sewage. Provide for the closure of manholes during the displacement of the solutions. Do not store supplies in areas sewage.

9.

PROPERTIES (PHYSICAL/CHEMICAL)

9.1

Informations about the main physical and chemical properties

Aspect	Yellow crystalline solid
Odour	No smell
Odour threshold	Not applicable
pH	Not applicable
Melting point/freezing point	The product decomposes
Initial boiling point and boiling range	The product decomposes
Flashpoint	Not flammable
Evaporation rate	Not applicable
Flammability solids/gases	Not flammable
Upper/lower flammability or explosive limits	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	6.08 g/cm ³
Solubility/Solubilities	60 mg/L in water at 20 °C
The log octanol/water partition Coefficient	Undefined
Auto-ignition temperature	Not applicable
Decomposition temperature	220 °C
Viscosity	Not applicable
Explosive properties	Not explosive

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Revision n. VIII del 01.21.2019
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	Oxidising properties	Not oxidising
9.2.	Other informations (miscibility, solubility, fat solubility, conductivity, redox potential, radical formation potential and photocatalytic properties)	
	None	
10.	STABILITY AND REACTIVITY	
10.1	Reactivity	
	No relevant information	
10.2	Chemical stability	
	The product is stable during normal storage and usage conditions	
10.3	Possibility of hazardous reactions	
	None	
10.4	Conditions to avoid	
	Informations are not available	
10.5	Incompatible materials	
	None	
10.6	Hazardous decomposition products	
	Silver oxide	
11.	TOXICOLOGICAL INFORMATION	
11.1	Informations about toxicological effects	
	Acute toxicity	Oral rat: LD50 3730 mg/kg
	Skin corrosion/irritation	Not corrosive
	Eye damage/irritation	Strongly irritant
	Skin sensitisation or corrosion/irritation	There are no known sensitizing
	Germ cell mutagenicity	Not mutagenic
	Carcinogenity	Not carcinogenic
	Reproductive toxicity	Not toxic for reproduction
	Specific target organ toxicity (STOT)-single exposure	
	Specific target organ toxicity (STOT)-repeated exposure	Not toxic
	Aspiration hazard	None
11.2	Specific target organ toxicity	
	Eye contact	
11.3	Symptoms related to the physical, chemical and toxicological characteristic	
	Strong eye irritation	
11.4.	Delayed, immediate and chronic effects from short and long term exposure	
	Serious eye damage	
11.5.	Interactive effects	
	There are no specific known effects.	
11.6.	In the absence of specific data	
	-	
11.7.	Other informations	

Safety data sheet
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12.	None	
	ECOLOGICAL INFORMATIONS	
	Toxicity	Data are not available
	Persistence and degradability	Data are not available
	Bioaccumulation potential	Data are not available
	Mobility in soil	Data are not available
	Results of PBT e vPvB	Data are not available
	Other adverse effects	Data are not available

13.	DISPOSAL CONSIDERATIONS	
13.1.	Waste treatment methods	
	This product and its packaging must be disposed of in licensed facilities. The solutions for disposal may be neutralized with lime or sodium carbonate	

14.	TRANSPORT INFORMATIONS	
	ONU number	3077
	Name	Hazardous substance for the environment n.a.s.
	Hazard class	9
	Pack group	III
	Environmental hazards	NO
	Special precautions for user	Approved packaging

15.	REGULATORY INFORMATION		
	15.1	Legislation	
		Applicability	
		<i>Reg. (CE) 1907/2006/CE Reach</i>	NO
		<i>Reg. (CE) 1272/2008 CLP and subsequent amendments and addenda</i>	YES
		<i>Reg. (CE) 2037/2000 "Substances that deplete the ozone layer"</i>	NO
		<i>Reg. (CE) 850/2004 "The persistent organic pollutants"</i>	NO
		<i>Reg. (CE) 689/2008 "The export and import of dangerous chemicals"</i>	NO
		<i>Substance listed in Annex I 2012/18/UE cd Seveso</i>	YES
		<i>D.lgs 81/2008 Uniform Occupational Health and Safety Code</i>	YES
		<i>Direttive 2014/103/UE "Adr"</i>	YES

	15.2	Chemical Safety Assessment	
		A chemical safety assessment has not been carried out	

16.	OTHER INFORMATIONS	
	16.1	Changes as compared to the previous version
		Modified section 1.
	16.2	Legend to abbreviations and acronyms
		ADR: European Agreement on the international carriage of goods by road
		GHS: Globally Harmonised System of Classification and Labelling
		EINECS: European Inventory of Existing Commercial Chemical Substances
		CAS: Chemical Abstract Service
	16.3	Bibliographical references and data sources
		ECHA substance data bank:
		http://echa.europa.eu/web/guest/information-on-chemicals/registered-

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Platform ESIS

<http://esis.jrc.ec.europa.eu>

16.5. Advice on any training appropriate for workers to ensure protection of human health and the environment

- Training sessions on Chemical Risk pursuant to Legislative Decree 81/08 Title IX hazardous substances

- Training sessions on DPI

16.6. Other informations

Not available