

Safety data sheet
According to Regulation n. 1907/2006 and Regulation 878/2020
SODIUM AU SULPHITE 100 g / L



Revision 12 – 20.06.2024

Replaces revision 11 – 03.08.2023

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

1.1 Product identifier

Commercial name	SODIUM AU SULPHITE 100 g / l
Product code	74 1174
Registration number	A registration number is not available for this product as it is a mixture
UFI code	RC60-DORA-J00P-MTWS

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

Intended uses	Industrial use. Additive for electroplating
Advised against uses	None in particular

1.3 Details of the supplier of the safety data sheet

Name	FAGGI ENRICO S.P.A.
Address	Via Majorana, 101/103 50019 Sesto Fiorentino FI
Telephone number	055311861
Fax number	055311791
Competent person responsible for the safety data sheet	lorenzo.magaldi@faggi.it

1.4 Emergency telephone number 111 - Medical helpline operating in England, in Scotland (NHS 24) and in Wales (NHS Direct Wales)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture according to Regulation (EC) n. 1272/2008

Hazard classes	Category codes	Hazard statements
Skin Irr.	2	H315
Eye Irr.	2	H319
STOT SE	3	H335
		EUH031

2.2 Label elements
Pictograms



Signal word	WARNING (I) disulfite trisodium)	
Hazard statements	H315	Causes skin irritation
	H319	Causes serious eye irritation
	H335	May cause respiratory irritation
	EUH031	Contact with acids liberates toxic gas
Precautionary statements	P264	Wash hands thoroughly after handling.
	P280	Wear protective gloves/protective clothing/eye

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		P305+P351+P338	protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		P302+P352	IF ON SKIN: Wash with plenty of water
		P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
		P332 + P313	If skin irritation occurs: Get medical advice/attention
2.3	UFI code	RC60-D0RA-J00P-MTWS	
	Other hazards	It does NOT contain PBT / vPvB substances according to Regulation (EC) 1907/2006, annex XIII It does NOT contain substances that interfere with the endocrine system in accordance with Regulation (EC) 1907/2006 art.59 paragraph 1 and in accordance with the criteria established in Regulation (EU) 2017/2100 and Regulation (EU) 2018/605.	

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2	Mixture			
	Product identifier	Concentration	Classification	
		%	Hazard classes	Category codes
	Gold (I) disulfite trisodium	20 ≤ C ≤ 25	Skin irrit. 2	H315
	CAS 19153-98-1		Eye irrit. 2	H319
	EC: 242-846-5		STOT SE 3	H335
	INDEX: not available			EUH031
	REACH number: exempt for quantity			
	ATE: not applicable			
	M factor: not applicable			

4. FIRST AID MEASURES

4.1	Description of first aid measures	
	Inhalation	If the person has fainted, keep him stable on his side during transport.
	Ingestion	Call a doctor immediately. Drink plenty of water and stop in a well-ventilated area. Seek immediate medical attention. Do not induce vomiting.
	Skin contact	Wash immediately abundantly with water and soap .

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Eye contact Wash with running water for several minutes holding the eyelids wide open and get medical attention.

Reccomendation:

- **Need to see a doctor immediately** **YES**
- **Possibility of delayed effects following exposure** **NO**
- **Move the exposed individual from the place of exposure to the open air** **YES**
- **Remove the clothing and shoes of the exposed individual** **YES**
- **How to handle contaminated clothing** **With gloves**
- **For those providing first aid, wear PPE** **YES**

4.2 Most important symptoms and effects, both acute and delayed
 Severe skin burns and severe eye damage. Harmful if swallowed. It can irritate the respiratory tract.

4.3 Indication of any immediate medical attention and special treatment needed
 Consult a physician immediately.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Suitable extinguishing media: CO₂, powder or water spray extinguishers. Extinguish large fires with water spray or alcohol-resistant foam.

Non suitable extinguishing media: None in particular.

5.2 Special hazards arising from the substance or mixture
 In case of fire it can develop toxic sulfur oxide gases.

5.3 Advice for firefighters

General information Normal fire-fighting clothing, such as self-contained open-circuit compressed air breathing apparatus (EN137), flame retardant suit (EN469), flame retardant gloves (EN659) and firefighter boots (HOA29 or A30).

Equipment

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

6.1.1. For non-emergency personnel

Move away from contaminated area.

6.1.2. For emergency responders

Gloves for chemical risks compliant with EN420 EN374 standards
 Splash goggles compliant with Directive 89/686 / EEC and standard EN166: 2001
 Complete clothing compliant with the UNI EN 13034: 2006 standard.
 Check for spills with absorbent material.

6.2 Environmental precautions

Prevent infiltration into the sewer / surface water / ground water.

6.3 Methods and material for containment and cleaning up

6.3.1. Advice to contain a spill

Collect the liquid with absorbent material (sand, tripoli, universal binder, sawdust).

6.3.2. Advice to clean-up a spill

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Dispose of contaminated material according to section 13.

6.4 Reference to other sections

None

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

7.1.1. *Raccomentations to manipulate the substance or the mixture in a safe manner, such as containment measures and prevention of fire and aereosol and powders formation*

None in particular

7.1.2. *General recommendation on work hygiene*

Do not eat, drink and smoke in work areas. Wash your hands after use.

Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. *Risk management associated with explosive atmospheres, corrosive conditions, flammability hazards, incompatible substances or mixtures, evaporative conditions, potential ignition sources*

To store seperately from acids.

7.2.2. *Control of weather conditions, ambient pressure, temperature, sunlight, humidity, and vibration*

Store in the original labeled packaging and close them immediately after use.

7.2.3. *Conditions for keeping substances / mixtures intact*

Store in the original labeled packaging and close them immediately after use.

7.2.4. *Advice regarding the ventilation, specific design for storage rooms or vessels, quantity limits under storage conditions, packaging compatibilities*

Handle under fume hood.

7.3. Specific end use(s)

Industrial use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

For this mixture, the occupational and biological exposure limit values corresponding to the relative Community limit values referred to in Directives 98/24 / EC and 2004/37 / EC have not been established.

DNEL

Workers

Data not available

General population

Data not available

PNEC

Data not available

8.2. Exposure controls

8.2.1. *Appropriate engineering controls*

Use under a fume hood. Periodically check the capacity of the hoods.

8.2.2. *Individual protection measures, such as personal protective equipment*

Eye/face protection

Splash goggles compliant with Directive 89/686 / EEC and standard EN166: 2001

Skin protection (hands)

Chemical gloves according to EN 420 EN 374

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	Glove material: Natural latex Material thickness: 0.5 mm Penetration time: ≥ 60 min DIN EN374 method
Skin protection (body)	Complete clothing compliant with the UNI EN 13034: 2006 standard
Respiratory protection	Semi-face mask with filters E - P2 (yellow-white)

8.2.3. Environmental exposure controls

Keep all environments under suction using localized collection systems and room air exchange systems. Convey the aspirated volumes to an abatement system and then into the atmosphere. Do not use recirculating air suction systems. Avoids any spillage into the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	Pale yellow
Odour	Odourless
Melting point/freezing point	< 0 °C
Boiling point or initial boiling point and boiling range	> 80 °C
Flammability	Not flammable
Lower and upper explosion limit	Not explosive
Flash point	Not flammable
Auto-ignition temperature	Not flammable
Decomposition temperature	Not applicable
pH	> 12 a 20° C
Kinematic viscosity	Undefined
Solubility	Fully miscible in water
Partition coefficient n-octanol/water (log value)	Not applicable
Vapour pressure	2.33 kPa
Density and/or relative density	1.19 g/cm ³
Relative vapour density	Not available data
Particle characteristics	Not applicable

9.2. Other information

None

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10 STABILITY AND REACTIVITY

10.1 Reactivity

The product has reducing characteristics

10.2 Chemical stability

The product is stable under normal conditions of use.

10.3 Possibility of hazardous reactions

In contact with acids it releases poisonous gases.

10.4 Conditions to avoid

No information available

10.5 Incompatible materials

The product can react dangerously with acids or oxidizing agents.

10.6 Hazardous decomposition products

Sulfur oxides.

11 TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (CE) No 1272/2008

Acute toxicity	Not available information
Skin corrosion/irritation	Irritating to the skin
Serious eye damage/irritation	Severely irritating
Respiratory or skin sensitization	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
(STOT) single exposure	Irritating to respiratory tract

(STOT) repeated exposure Not available information

11.2 Information on others hazards

DOES NOT contain PBT/vPvB substances according to Regulation (EC) 1907/2006, Annex XIII

DOES NOT contain substances that interfere with the endocrine system according to Regulation (EC) 1907/2006 art.59 paragraph 1 and in accordance with the criteria established in Regulation (EU) 2017/2100 and Regulation (EU) 2018/605.N

12 ECOLOGICAL INFORMATION

12.1 Toxicity	Based on available data, the classification criteria are not met
12.2 Persistence and degradability	Not persistent
12.3 Bioaccumulative potential	Not bioaccumulable
12.4 Mobility in soil	The product is soluble and can therefore penetrate into the aquifers
12.5 Results of PBT and vPvB assessment	Not applicable
12.6 Endocrine disrupting properties	No information available
12.7 Other adverse effects	None known

13 DISPOSAL CONSIDERATIONS

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13.1. Waste treatment methods

Use water with the addition of detergents. The product and its packaging must be disposed of as hazardous waste at authorized companies.

14 TRANSPORT INFORMATION

14.1 UN number or ID number

Not applicable

14.2 Official UN shipping name

ADR/RID/ADN/IMDG/ICAO-IATA:

Not applicable

14.3 Transport hazard class

ADR/RID/ADN/IMDG/ICAO-IATA: Class

Not applicable

ADR/RID/ADN/IMDG/ICAO-IATA: Label

Not applicable

ADR: Tunnel restriction code

Not applicable

IMDG - EmS:

Not applicable

14.4 Packing group

Not applicable

14.5 Dangers for the environment

ADR/ADN/RID/ICAO-IATA:

Not applicable

IMDG: Marine Contaminant:

Not applicable

14.6 Special precautions for user

None

14.7 Maritime transport in bulk in accordance with the IMO Acts

Bulk transport is not foreseen

15 REGULATORY INFORMATION

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

Applicability

Reg. (CE) 1907/2006/CE Reach

YES

Reg. (CE) 1272/2008 CLP and subsequent amendements

YES

Reg. (CE) 2037/2000 "Substances that deplete the ozone layer"

NO

Reg. (CE) 850/2004 "Persistent organic pollutants"

NO

Reg. (CE) 689/2008 "Export and import of hazardous chemicals"

NO

Substance listed in Annex I of Dir. 1212/18/UE cd Seveso

NO

Directive 81/2008 Consolidated Act on protection of health and work safety

YES

Directive 2014/103/UE "Adr"

NO

Reg. (CE) 1907/2006/CE Reach art. 59 – Candidate List of Substances of Very High Concern (SVHC)

NO

Reg. (CE) 1907/2006/CE Reach - Annex XIV – Authorisation List

NO

Reg. (CE) 1907/2006/CE Reach - Annex XVII – Restriction List

Limited use

<https://echa.europa.eu/it/substances-restricted-under-reach>

Item 3 - 75
(check link)

15.2 Chemical safety assessment

A chemical safety assessment was not carried out

16 OTHER INFORMATION

Changes compared to the previous edition

Changes to sections 1-8-14-16

Acronim and abbreviation legend

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

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ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

GHS: Globally Harmonized System of Classification and Labeling of Substances

EINECS: European Inventory of Chemical Substances

CAS: Chemical Abstract Service

STA: Acute Toxicity Estimate

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: (very persistent and very bioaccumulative). Very persistent and very bioaccumulative

LD: lethal dose

PNEC: predicted no effect concentration

DNEL: derived no effect level

TLV (ceiling value): threshold limit value

STEL: short-term exposure limit

EU-OEL: European occupational exposure limit

TWA: time-weighted average

EC: effective concentration

NOAEL: no observed adverse effect level

LC: lethal concentration

NOEC: no observed effect concentration

LOEC: lowest observed effect concentration

Bw: body weight

Koc: organic carbon-water partition coefficient

Main references and data sources

ECHA's data bank on registered substances and soon to be registered substances:

<http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>

Reporting, for mixtures, which methods of evaluating the information were used for the purposes of classification.

Classification		Classification procedure
Skin Irr. 2	H315	Calculation method
Eye Irr. 2	H319	Calculation method
STOT SE 3	H335	Calculation method

Adequate training for workers to guarantee the protection of human health and the environment

Training on the chemical risk ex Directive 81/08 Title IX dangerous substances

Training on PPE