

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



Revision XII – 20.06.2024

Replaces revision XI – 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	GRJ5-90DP-400S-KE7T

**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**



<b>Signal word</b>	<b>WARNING</b>	
<b>Hazard statements</b>	H315 H319  H335  EUH031	Causes skin irritation Causes serious eye irritation  May cause respiratory irritation Contact with acids liberates toxic gas
<b>Precautionary statements</b>	P264  P280	Wash hands thoroughly after handling. 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
<b>2.3</b>	<b>UFI code</b>	GRJ5-90DP-400S-KE7T	
	<b>Other hazards</b>	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**

<b>3.2</b>	<b>Mixture</b>			
	<b>Product identifier</b>	<b>Concentration</b>	<b>Classification</b>	
		<b>%</b>	<b>Hazard classes</b>	<b>Category codes</b>
	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**

<b>4.1</b>	<b>Description of first aid measures</b>	
	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 aerosol 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 separately 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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<b>Skin protection (body)</b>	Glove material: Natural latex Material thickness: 0.5 mm Penetration time: ≥ 60 min DIN EN374 method Complete clothing compliant with the UNI EN 13034: 2006 standard
<b>Respiratory protection</b>	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 <sup>3</sup>
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

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<b>12.5</b>	<b>Results of PBT and vPvB assessment</b>	Not applicable
<b>12.6</b>	<b>Endocrine disrupting properties</b>	No information available
<b>12.7</b>	<b>Other adverse effects</b>	None known
<b>13</b>	<b>DISPOSAL CONSIDERATIONS</b>	
<b>13.1.</b>	<b>Waste treatment methods</b> Use water with the addition of detergents. The product and its packaging must be disposed of as hazardous waste at authorized companies.	
<b>14</b>	<b>TRANSPORT INFORMATION</b>	
<b>14.1</b>	<b>UN number or ID number</b>	Not applicable
<b>14.2</b>	<b>Official UN shipping name</b>	Not applicable
<b>14.3</b>	<b>Transport hazard class</b> ADR/RID/IMDG/ICAO-IATA ADR/RID/IMDG/ICAO-IATA IMDG marine pollutant	Not applicable
<b>14.4</b>	<b>Packing group</b>	Not applicable
<b>14.5</b>	<b>Dangers for the environment</b> ADR/RID/ICAO-IATA: Not applicable IMDG: Marine Contaminant: Not applicable	
<b>14.6</b>	<b>Special precautions for user</b> Not applicable	
<b>14.7</b>	<b>Maritime transport in bulk in accordance with the IMO Acts</b> Bulk transport is not foreseen	
<b>15</b>	<b>REGULATORY INFORMATION</b>	
<b>15.1</b>	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	<b>Applicability</b>
	<i>Reg. (CE) 1907/2006/CE Reach</i>	YES
	<i>Reg. (CE) 1272/2008 CLP and subsequent amendements</i>	YES
	<i>Reg. (CE) 2037/2000 "Substances that deplete the ozone layer"</i>	NO
	<i>Reg. (CE) 850/2004 "Persistent organic pollutants"</i>	NO
	<i>Reg. (CE) 689/2008 "Export and import of hazardous chemicals"</i>	NO
	<i>Substance listed in Annex I of Dir. 2012/18/UE cd Seveso</i>	NO
	<i>Directive 81/2008 Consolidated Act on protection of health and work safety</i>	YES
	<i>Directive 2014/103/UE "Adr"</i>	NO
	<b>Reg. (CE) 1907/2006/CE Reach art. 59 – Candidate List of Substances of Very High Concern (SVHC)</b>	NO
	<b>Reg. (CE) 1907/2006/CE Reach - Annex XIV – Authorisation List</b>	NO
	<b>Reg. (CE) 1907/2006/CE Reach - Annex XVII – Restriction List</b>	Limited use
	<a href="https://echa.europa.eu/it/substances-restricted-under-reach">https://echa.europa.eu/it/substances-restricted-under-reach</a>	Item 3 - 75 (check link)
<b>15.2</b>	<b>Chemical safety assessment</b> A chemical safety assessment was not carried out	
<b>16</b>	<b>OTHER INFORMATION</b>	
	<b>Changes compared to the previous edition</b> Changes to sections 1-8-14-16 <b>Acronim and abbreviation legend</b>	

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

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.**

	<b>Classification</b>	<b>Classification procedure</b>
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