

Safety data sheet
According to Regulation n. 1907/2006 and Regulation 878/2020
AMMONIUM AU SULFITE 100 g / l



Revision n. IV – 01.12.2022
 Replaces revision n III – 17.12.2021

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

- 1.1 Product identifier**
 Chemical name AMMONIUM AU SULFITE 100 g / l
 Product codes 75
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Intended uses Industrial use
 Advised against uses Check section 15
- 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).
- 1.5 Registration number**
 A registration number is not available for this product as it is a mixture.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Hazard classes	Category codes	Hazard statements
Skin Irrit.	2	H315 Causes skin irritation.
Eye Irrit	2	H319 Causes serious eye irritation.
EUH031		Contact with acids liberates toxic gas

2.2 Label elements

Pictograms



Signal words

DANGER

Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation. Contact with acids liberates toxic gas
EUH031	Wash hands thoroughly after use
P264	Wear protective gloves / clothing / eye protection / face protection.
P280	

Precautionary statements

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2.3 Other hazards	P332 + P313 P367 + P313 P362 + P364	If skin irritation occurs: Get medical attention If eye irritation persists, consult a doctor Take off all contaminated clothing and wash it before wearing again.
	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) ammonium sulphite CAS: 71662-32-3 EC: 275-798-9 INDEX: non disponibile N. Reach: esente per quantità ATE: not applicable M factor: not applicable	$15 \leq C \leq 20$	Skin irrit.2 Eye irrit. 2 Contact with acids liberates toxic gases	H315 H319 EUH031
Ammonia in solution CAS: 1336-21-6 EC: 215-647-6 INDEX: 007-001-01-2 N. Reach: 01-2119488876-14-XXXX ATE: not applicable Acute M factor: 1 Specific limits: STOT SE 3 H335: C ≥ 5%	$0.2 \leq C \leq 1.0$	Skin corr.1B Aquatic acute 1	H314 H400

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Transport the injured person outdoors and keep him warm and at rest.
Ingestion	Call your doctor right away. Drink plenty of water and stand in a well-ventilated area. Seek immediate medical attention. Do not induce vomiting
Contact with skin	Remove contaminated clothing immediately
Contact with eyes	Wash immediately with soap and water and rinse thoroughly.

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Recommendations:

- 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 first aiders, wear PPE YES

4.2 Most important symptoms and effects, both acute and delayed

Severe skin irritation and severe eye damage. It can irritate the respiratory tract

4.3 Indication of any immediate medical attention and special treatment needed

Consult a doctor 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.

Unsuitable extinguishing media None in particular

5.2 Special hazards arising from the substance or mixture

In the event of a fire, toxic sulfur oxide gases may be released

5.3 Advice for firefighters

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)

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Keep away from contaminated area

6.1.2. For emergency responders

Use :

Chemical risk gloves 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 the spreading 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 in order to contain a spill

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

6.3.2. Advice in order to clean-up a spill

Dispose of contaminated material according to section 13.

6.3.3 Other information

None

6.4 Reference to other sections

None

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

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7.1.1. *Raccomentations in order 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*

Store separately from acids.

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

7.2.3. *Conditions to maintain the integrity of the substance or mixture*

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 a fume hood.

7.3. *Specific end use(s)*

Industrial use

8. *EXPOSURE CONTROLS/PERSONAL PROTECTION*

8.1. *Control parameters*

For this substance, 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.

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 Protective goggles for eyes compliant with Directive 89/686 / EEC and with standard EN166: 2001

Skin protection (hands) Chemical risk gloves compliant with EN420 EN374 standards

Skin protection (body) Complete antacid clothing compliant with the UNI EN 13034: 2006

Respiratory protection Semi-facial masks with P3 filters compliant with 14387: 2004 + A1: 2008 standards in the absence of technical measures to limit worker exposure

Thermal hazards None

8.2.3. *Environmental exposure controls*

9. *PHYSICAL AND CHEMICAL PROPERTIES*

9.1 *Information on basic physical and chemical properties*

Physical state liquid

Colour Pale yellow

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Odour	ammonia
Melting point/freezing point	Data not available
Boiling point or initial boiling point and boiling range	Data not available
Flammability	Not inflammable
Lower and upper explosion limit	Not explosive
Flash point	Not inflammable
Auto-ignition temperature	Not inflammable
Decomposition temperature	Not applicable
pH	> 9 at 20 ° C
Kinematic viscosity	Data not available
Solubility	Fully miscible in water
Partition coefficient n-octanol/water (log value)	Not applicable
Vapour pressure	Data not available
Density and/or relative density	1.2 g / cm ³
Relative vapour density	Data not available
Particle characteristics	Not applicable

9.2. Other information

None

10 STABILITY AND REACTIVITY

10.1 Reactivity

The product has reducing characteristics

10.2 Chemical stability

The product is stable under normal conditions

10.3 Possibility of hazardous reactions

Contact with acids liberates toxic gases

10.4 Conditions to avoid

Information not 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 (EC) No 1272/2008

Acute toxicity

Based on the available data, the classification criteria are not met

Skin corrosion / irritation

Irritating to skin and mucous membranes

Serious eye damage/irritation

Strongly irritating

Respiratory or skin sensitization

Based on the available data, the classification criteria are not met

Germ cell mutagenicity

Based on the available data, the classification criteria are not met

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	Carcinogenicity	Based on the available data, the classification criteria are not met	
	Reproductive toxicity	Based on the available data, the classification criteria are not met	
	STOT – single exposure	Irritating to respiratory tract	
	STOT – repeated exposure	Based on the available data, the classification criteria are not met	
11.2	Information on other hazards		
	None		
12	ECOLOGICAL INFORMATION		
12.1	Toxicity	Based on the 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 the aquifers	
12.5	Results of PBT and vPvB assessment	Not applicable	
12.6	Endocrine disrupting properties	No known effects	
12.7	Other adverse effects	No known effects	
13	DISPOSAL CONSIDERATIONS		
13.1	Waste treatment methods		
	The substance and its packaging must be disposed of as hazardous waste and delivered to authorized companies.		
14	TRANSPORT INFORMATION		
14.1	UN number or ID number	Not subject to ADR regulations	
14.2	UN proper shipping name		
14.3	Transport hazard class(es)		
14.4	Packing group		
14.5	Environmental hazards		
14.6	Special precautions for user		
14.7	Maritime transport in bulk according to IMO instruments		
15	REGULATORY INFORMATION		
15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture		Applicability
	Reg. (EC) 1907/2006 / EC Reach		YES
	Reg. (EC) 1272/2008 CLP and subsequent changes and additions		YES
	Reg. (CE) 2037/2000 "Substances that deplete the ozone layer"		NO
	Reg. (EC) 850/2004 "Persistent organic pollutants"		NO
	Reg. (EC) 689/2008 "export and import of dangerous chemicals"		NO
	Substance listed in Annex I of Dir. 2012/18 / EU so-called Seveso		NO
	Legislative Decree 81/2008 Consolidated Law on health and safety at work		YES
	Directive 2014/103 / EU "Adr"		YES

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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

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OTHER INFORMATION

Changes compared to the previous edition

Regulatory update

Acronim and abbreviation legend

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

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstract Service

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>

Indication, for mixtures, of which methods of evaluation of the information have been used for the purposes of classification

Classification	Classification procedure
Suspected of damaging fertility or the unborn child	H361 Calculation method
Causes damage to organs through prolonged or repeated exposure	H372 Calculation method
Toxic to aquatic life with long lasting effects	H411 Calculation method

Adequate training for workers in order to ensure the protection of human health and the environment

Training on Chemical Risk pursuant to Legislative Decree 81/08 Title IX dangerous substances

PPE training