

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

## 1.1. Product identifier

|                       |                                  |
|-----------------------|----------------------------------|
| Product form          | : Mixture                        |
| Name                  | : Sulfuric acid                  |
| Trade name            | : Sulfuric acid 25% AGR          |
| UFI                   | : 29D0-900F-Q00N-EHG4            |
| EC Index-No.          | : 016-020-00-8                   |
| EC-No.                | : 231-639-5                      |
| CAS-No.               | : 7664-93-9                      |
| REACH registration No | : 01-2119458838-20               |
| Product code          | : SUAC-25A                       |
| Formula               | : H <sub>2</sub> SO <sub>4</sub> |

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

## Relevant identified uses

Main use category : Laboratory use

## 1.3. Details of the supplier of the safety data sheet

labbox labware s.l.  
Migjorn, 1  
P.O. Box Barcelona (SPAIN)  
08338 Premia de Dalt, SPAIN  
ES  
T +34 937 07 79 70, F +34 937 909 532  
[info@labbox.com](mailto:info@labbox.com), [www.labbox.com](http://www.labbox.com)

## 1.4. Emergency telephone number

Emergency number : +34 937 077 970 (For technical information\_Office Hours) In case of medical emergency phone 112 or to your local emergency number.

| Country/Area   | Organisation/Company                                                                | Address                    | Emergency number | Comment |
|----------------|-------------------------------------------------------------------------------------|----------------------------|------------------|---------|
| United Kingdom | National Poisons Information Service<br>(Belfast Centre)<br>Royal Victoria Hospital | Grosvenor Road<br>BT12 6BA | 0344 892 0111    |         |

## SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

## Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 1A H314  
Full text of H and EUH statements: see section 16

## Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

## Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

# Sulfuric acid 25% AGR

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word (CLP)              | : Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Hazard statements (CLP)        | : H314 - Causes severe skin burns and eye damage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Precautionary statements (CLP) | : P280 - Wear protective gloves/protective clothing/eye protection/face protection.<br>P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.<br>P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.<br>P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |

### 2.3. Other hazards

PBT: not relevant – no registration required

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name                  | Product identifier                                                                                  | %  | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-----------------------|-----------------------------------------------------------------------------------------------------|----|-----------------------------------------------------------------|
| Sulfuric acid 95-98 % | CAS-No.: 7664-93-9<br>EC-No.: 231-639-5<br>EC Index-No.: 016-020-00-8<br>REACH-no: 01-2119458838-20 | 15 | Skin Corr. 1A, H314                                             |

#### Specific concentration limits:

| Name                  | Product identifier                                                                                  | Specific concentration limits (%)                                                                                              |
|-----------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Sulfuric acid 95-98 % | CAS-No.: 7664-93-9<br>EC-No.: 231-639-5<br>EC Index-No.: 016-020-00-8<br>REACH-no: 01-2119458838-20 | ( $5 \leq C < 15$ ) Eye Irrit. 2; H319<br>( $5 \leq C < 15$ ) Skin Irrit. 2; H315<br>( $15 \leq C < 100$ ) Skin Corr. 1A; H314 |

Full text of H and EUH statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                                           |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. Get medical advice/attention.                                        |
| First-aid measures after skin contact | : Wash contaminated clothing before reuse. . Get immediate medical advice/attention.                                                                                                      |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist. |
| First-aid measures after ingestion    | : Do not induce vomiting. Rinse mouth out with water. Give nothing or a little water to drink. Call a physician immediately.                                                              |

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

|                                     |                             |
|-------------------------------------|-----------------------------|
| Symptoms/effects after skin contact | : Causes severe burns.      |
| Symptoms/effects after eye contact  | : Causes serious eye burns. |

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

Never give anything by mouth to an unconscious person.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |                     |
|--------------------------------|---------------------|
| Suitable extinguishing media   | : ABC-powder.       |
| Unsuitable extinguishing media | : Strong water jet. |

### 5.2. Special hazards arising from the substance or mixture

|                                                  |                                                                                    |
|--------------------------------------------------|------------------------------------------------------------------------------------|
| Fire hazard                                      | : Non combustible.                                                                 |
| Hazardous decomposition products in case of fire | : Hazardous gas/vapours are formed in the event of decomposition (see section 10). |

### 5.3. Advice for firefighters

|                                |                                                                                                 |
|--------------------------------|-------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Exercise caution when fighting any chemical fire.                                             |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |                                                           |
|------------------|-----------------------------------------------------------|
| General measures | : Do not inhale vapour. Avoid contact with skin and eyes. |
|------------------|-----------------------------------------------------------|

#### For non-emergency personnel

|                      |                                                    |
|----------------------|----------------------------------------------------|
| Emergency procedures | : Do not breathe vapours. Ventilate spillage area. |
|----------------------|----------------------------------------------------|

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

|                         |                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : Collect spillage.                                                                                                                                    |
| Methods for cleaning up | : Take up liquid spill into absorbent material. Collect spillage. Mechanically recover the product. On land, sweep or shovel into suitable containers. |

### 6.4. Reference to other sections

See Heading 8. For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | : Avoid contact with skin. Do not breathe vapours.                                                                      |
| Hygiene measures              | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. |

### 7.2. Conditions for safe storage, including any incompatibilities

|                            |                                                                                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage conditions         | : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Store in a well-ventilated place. Keep container tightly closed. |
| Storage area               | : Store in a well-ventilated place. Store away from heat.                                                                                                         |
| Special rules on packaging | : Store in a closed container. Keep only in original container.                                                                                                   |

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### 7.3. Specific end use(s)

Laboratory chemicals.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### National occupational exposure and biological limit values

| Sulfuric acid 25% AGR (7664-93-9)                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU - Indicative Occupational Exposure Limit (IOEL) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Local name                                         | Sulphuric acid (mist)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| IOEL TWA                                           | 0,05 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| France - Occupational Exposure Limits              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Local name                                         | Acide sulfurique                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| VME (OEL TWA)                                      | 0,05 mg/m <sup>3</sup> (fraction thoracique)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| VLE (OEL Ceiling/STEL)                             | 3 mg/m <sup>3</sup> (fraction thoracique)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Remark                                             | VME réglementaire indicative; VLE recommandée/admise                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Germany - Occupational Exposure Limits (TRGS 900)  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Local name                                         | Schwefelsäure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| AGW (OEL TWA)                                      | 0,1 mg/m <sup>3</sup> E (mg/m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Remark                                             | DFG,EU,Y                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Italy - Occupational Exposure Limits               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Local name                                         | Acido solforico (nebulizzazione)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| OEL TWA                                            | 0,05 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Portugal - Occupational Exposure Limits            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Local name                                         | Ácido sulfúrico                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| OEL TWA                                            | 0,2 mg/m <sup>3</sup> T (Fração torácica)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Spain - Occupational Exposure Limits               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Local name                                         | Ácido sulfúrico                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| VLA-ED (OEL TWA)                                   | 0,05 mg/m <sup>3</sup> niebla                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Remark                                             | az (Al seleccionar un método adecuado de control de la exposición, deben tomarse en consideración posibles limitaciones e interferencias que pueden surgir en presencia de otros compuestos de azufre), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo. Todos estos agentes químicos figuran al menos en una de las directivas de valores límite indicativos publicadas hasta ahora (ver Anexo C. Bibliografía). Los estados miembros disponen de un tiempo fijado en dichas directivas para su transposición a los valores límites de cada país miembro. Una vez adoptados, estos valores tienen la misma validez que el resto de los valores adoptados por el país), s (Esta sustancia tiene prohibida total o parcialmente su comercialización y uso como fitosanitario y/o como biocida. Para una información detallada acerca de las prohibiciones consúltase: Base de datos de productos biocidas: <a href="http://www.msssi.gob.es/ciudadanos/productos.do?tipo=plaguicidas">http://www.msssi.gob.es/ciudadanos/productos.do?tipo=plaguicidas</a> Base de datos de productos fitosanitarios <a href="http://www.magrama.gob.es/agricultura/pags/fitos/registro/fichas/pdf/Lista_sa.pdf">http://www.magrama.gob.es/agricultura/pags/fitos/registro/fichas/pdf/Lista_sa.pdf</a> ), d (Véase UNE EN 481: Atmósferas en los puestos de trabajo. Definición de las fracciones por el tamaño de las partículas para la medición de aerosoles). |

# Sulfuric acid 25% AGR

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Sulfuric acid 25% AGR (7664-93-9)             |                                              |
|-----------------------------------------------|----------------------------------------------|
| United Kingdom - Occupational Exposure Limits |                                              |
| Local name                                    | Sulphuric acid                               |
| WEL TWA (OEL TWA)                             | 0,05 mg/m³ mist                              |
| Remark                                        | The mist is defined as the thoracic fraction |

### DNEL and PNEC

| Sulfuric acid 25% AGR (7664-93-9)     |                 |
|---------------------------------------|-----------------|
| DNEL/DMEL (Workers)                   |                 |
| Acute - local effects, inhalation     | 0,1 mg/m³       |
| Long-term - local effects, inhalation | 0,05 mg/m³      |
| PNEC (Water)                          |                 |
| PNEC aqua (freshwater)                | 0,0025 mg/l     |
| PNEC aqua (marine water)              | 0,00025 mg/l    |
| PNEC (Sediment)                       |                 |
| PNEC sediment (freshwater)            | 0,002 mg/kg dwt |
| PNEC sediment (marine water)          | 0,002 mg/kg dwt |
| PNEC (STP)                            |                 |
| PNEC sewage treatment plant           | 8,8 mg/l        |

## 8.2. Exposure controls

### Appropriate engineering controls

#### Appropriate engineering controls:

Use a receptor hood for fumes/vapours. Do not inhale vapour.

### Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure. EN 374.

#### Personal protective equipment symbol(s):



### Eye and face protection

#### Eye protection:

Safety glasses

### Skin protection

#### Skin and body protection:

Wear suitable protective clothing

| Skin and body protection |          |
|--------------------------|----------|
| Type                     | Standard |
| Protective clothing      |          |

#### Hand protection:

Protective gloves against chemicals (EN 374)

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### Respiratory protection

#### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection. Wear appropriate mask

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                          |
|-------------------------------------------------|--------------------------|
| Physical state                                  | : Liquid                 |
| Colour                                          | : Colourless.            |
| Molecular mass                                  | : 98,08 g/mol            |
| Odour                                           | : Disagreeable.          |
| Odour threshold                                 | : Not available          |
| Melting point                                   | : Not available          |
| Freezing point                                  | : Not available          |
| Boiling point                                   | : 0 °C                   |
| Flammability                                    | : Not available          |
| Lower explosion limit                           | : Not available          |
| Upper explosion limit                           | : Not available          |
| Flash point                                     | : Not available          |
| Auto-ignition temperature                       | : Not available          |
| Decomposition temperature                       | : Not available          |
| pH                                              | : Not available          |
| Viscosity, kinematic                            | : Not available          |
| Solubility                                      | : Not available          |
| Partition coefficient n-octanol/water (Log Kow) | : Not available          |
| Vapour pressure                                 | : 0,485 hPa Temp.: 20 °C |
| Vapour pressure at 50 °C                        | : Not available          |
| Density                                         | : Not available          |
| Relative density                                | : 1,24                   |
| Relative vapour density at 20 °C                | : Not available          |
| Particle characteristics                        | : Not applicable         |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

May be corrosive to metals.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Overheating. Water, humidity.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Toxic vapours are released.

# Sulfuric acid 25% AGR

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### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

#### Sulfuric acid 25% AGR (7664-93-9)

|                            |                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------|
| LD50 oral rat              | 2140 mg/kg bodyweight Animal: rat, 95% CL: 1540 - 2990                                |
| LC50 inhalation rat (mg/l) | 0,375 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity) |

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Skin corrosion/irritation         | : Causes severe skin burns.           |
| Serious eye damage/irritation     | : Assumed to cause serious eye damage |
| Respiratory or skin sensitisation | : Not classified                      |
| Germ cell mutagenicity            | : Not classified                      |
| Carcinogenicity                   | : Not classified                      |
| Reproductive toxicity             | : Not classified                      |
| STOT-single exposure              | : Not classified                      |
| STOT-repeated exposure            | : Not classified                      |
| Aspiration hazard                 | : Not classified                      |

#### 11.2. Information on other hazards

##### Endocrine disrupting properties

|                                                                  |                  |
|------------------------------------------------------------------|------------------|
| Adverse health effects caused by endocrine disrupting properties | : Not applicable |
|------------------------------------------------------------------|------------------|

### SECTION 12: Ecological information

#### 12.1. Toxicity

|                                                           |                  |
|-----------------------------------------------------------|------------------|
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified |

#### Sulfuric acid 25% AGR (7664-93-9)

|                      |                                                                                                       |
|----------------------|-------------------------------------------------------------------------------------------------------|
| EC50 - Daphnia [1]   | > 100 mg/l Test organisms (species): Daphnia magna                                                    |
| EC50 72h - Algae [1] | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| NOEC (chronic)       | 0,15 mg/l Test organisms (species): other:Tanytarsus dissimilis                                       |
| NOEC chronic fish    | 0,31 mg/l Test organisms (species): Salvelinus fontinalis                                             |

#### 12.2. Persistence and degradability

#### Sulfuric acid 25% AGR (7664-93-9)

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

#### Sulfuric acid 95-98 % (7664-93-9)

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

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### 12.5. Results of PBT and vPvB assessment

#### Sulfuric acid 25% AGR (7664-93-9)

PBT: not relevant – no registration required

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : Not applicable.

### 12.7. Other adverse effects

Other adverse effects : Do not discharge into drains or rivers.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Must follow special treatment according to local regulation.  
European List of Waste (LoW) code : 06 01 01\* - sulphuric acid and sulphurous acid

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

### 14.1. UN number or ID number

UN-No. (ADR) : UN 2796  
UN-No. (IMDG) : UN 2796  
UN-No. (IATA) : UN 2796  
UN-No. (ADN) : UN 2796  
UN-No. (RID) : UN 2796

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : SULPHURIC ACID  
Proper Shipping Name (IMDG) : SULPHURIC ACID  
Proper Shipping Name (IATA) : Sulphuric acid  
Proper Shipping Name (ADN) : SULPHURIC ACID  
Proper Shipping Name (RID) : SULPHURIC ACID  
Transport document description (ADR) (ADR) : UN 2796 SULPHURIC ACID, 8, II, (E)  
Transport document description (IMDG) : UN 2796 SULPHURIC ACID, 8, II  
Transport document description (IATA) : UN 2796 Sulphuric acid, 8, II  
Transport document description (ADN) : UN 2796 SULPHURIC ACID, 8, II  
Transport document description (RID) : UN 2796 SULPHURIC ACID, 8, II

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 8  
Danger labels (ADR) : 8  
:



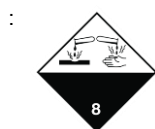
#### IMDG

Transport hazard class(es) (IMDG) : 8  
Danger labels (IMDG) : 8

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### IATA

Transport hazard class(es) (IATA)

: 8

Danger labels (IATA)

: 8



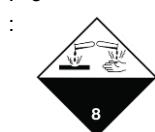
### ADN

Transport hazard class(es) (ADN)

: 8

Danger labels (ADN)

: 8



### RID

Transport hazard class(es) (RID)

: 8

Danger labels (RID)

: 8



## 14.4. Packing group

Packing group (ADR)

: II

Packing group (IMDG)

: II

Packing group (IATA)

: II

Packing group (ADN)

: II

Packing group (RID)

: II

## 14.5. Environmental hazards

Dangerous for the environment

: No

Marine pollutant

: No

EmS-No. (Fire)

: F-A

EmS-No. (Spillage)

: S-B

Other information

: No supplementary information available

## 14.6. Special precautions for user

### Overland transport

Classification code (ADR)

: C1

Limited quantities (ADR)

: 1I

Excepted quantities (ADR)

: E2

Packing instructions (ADR)

: P001, IBC02

Mixed packing provisions (ADR)

: MP15

Portable tank and bulk container instructions (ADR)

: T8

Portable tank and bulk container special provisions (ADR)

: TP2

Tank code (ADR)

: L4BN

Vehicle for tank carriage

: AT

Transport category (ADR)

: 2

Hazard identification number (Kemler No.)

: 80

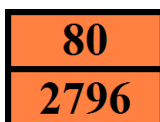
# Sulfuric acid 25% AGR

## Safety Data Sheet

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Orange plates

:



Tunnel restriction code (ADR)

: E

EAC code

: 2R

### Transport by sea

Limited quantities (IMDG)

: 1 L

Excepted quantities (IMDG)

: E2

Packing instructions (IMDG)

: P001

IBC packing instructions (IMDG)

: IBC02

IBC special provisions (IMDG)

: B20

Tank instructions (IMDG)

: T8

Tank special provisions (IMDG)

: TP2

Stowage category (IMDG)

: B

Segregation (IMDG)

: SGG1A, SG36, SG49

Properties and observations (IMDG)

: Colourless liquid, mixture not exceeding 1.405 relative density. Highly corrosive to most metals. Causes burns to skin, eyes and mucous membranes.

### Air transport

PCA Excepted quantities (IATA)

: E2

PCA Limited quantities (IATA)

: Y840

PCA limited quantity max net quantity (IATA)

: 0.5L

PCA packing instructions (IATA)

: 851

PCA max net quantity (IATA)

: 1L

CAO packing instructions (IATA)

: 855

CAO max net quantity (IATA)

: 30L

ERG code (IATA)

: 8L

### Inland waterway transport

Classification code (ADN)

: C1

Limited quantities (ADN)

: 1 L

Excepted quantities (ADN)

: E2

Carriage permitted (ADN)

: T

Equipment required (ADN)

: PP, EP

Number of blue cones/lights (ADN)

: 0

### Rail transport

Classification code (RID)

: C1

Limited quantities (RID)

: 1L

Excepted quantities (RID)

: E2

Packing instructions (RID)

: P001, IBC02

Mixed packing provisions (RID)

: MP15

Portable tank and bulk container instructions (RID)

: T8

Portable tank and bulk container special provisions (RID)

: TP2

Tank codes for RID tanks (RID)

: L4BN

Special provisions for RID tanks (RID)

: TU42

Transport category (RID)

: 2

Colis express (express parcels) (RID)

: CE6

Hazard identification number (RID)

: 80

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

# Sulfuric acid 25% AGR

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### SECTION 15: Regulatory information

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

##### EU-Regulations

##### REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) |                       |
|----------------------------------------|-----------------------|
| Reference code                         | Applicable on         |
| 3.                                     | Sulfuric acid 25% AGR |
| 3(b)                                   | Sulfuric acid 25% AGR |

##### REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

##### REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

##### PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

##### Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

##### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

##### Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

##### Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

##### National regulations

##### Germany

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : Sulfuric acid 95-98 % is listed  
SZW-lijst van mutagene stoffen : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

##### Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

#### 15.2. Chemical safety assessment

No additional information available

# Sulfuric acid 25% AGR

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### SECTION 16: Other information

#### Full text of H- and EUH-statements:

|               |                                               |
|---------------|-----------------------------------------------|
| Eye Irrit. 2  | Serious eye damage/eye irritation, Category 2 |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1A        |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2         |
| H314          | Causes severe skin burns and eye damage.      |
| H315          | Causes skin irritation.                       |
| H319          | Causes serious eye irritation.                |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.