

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

#### 1.1. Product identifier

|               |                              |
|---------------|------------------------------|
| Product form  | : Substance                  |
| Trade name    | : Sulfate de cuivre solution |
| UFI           | : 1254-A99F-V10H-U37P        |
| EC-No.        | : 231-847-6                  |
| CAS-No.       | : 7758-99-8                  |
| Product group | : Raw material               |

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

##### 1.2.1. Relevant identified uses

|                                  |                               |
|----------------------------------|-------------------------------|
| Main use category                | : Professional use            |
| Industrial/Professional use spec | : For professional users only |
| Use of the substance/mixture     | : For œnological use          |

##### 1.2.2. Uses advised against

No additional information available

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

##### Supplier

LAMOTHE-ABIET  
Avenue Ferdinand de Lesseps ZA-ACTIPOLIS  
33610 CANEJAN - FRANCE  
T +33557779292 - F +33556864002  
[contact@lamothe-abiet.com](mailto:contact@lamothe-abiet.com)

#### 1.4. Emergency telephone number

| Country  | Organisation/Company                                                                                                       | Address                                       | Emergency number | Comment                                                                                                                                          |
|----------|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Belgium  | Centre Anti-Poisons/Antigifcentrum<br>c/o Hôpital Militaire Reine Astrid                                                   | Rue Bruyn 1<br>1120 Brussels                  | +32 70 245 245   | Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee) |
| Bulgaria | Национален токсикологичен информационен център<br>Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов" | бул. Ген. Едуард И. Тотлебен 21<br>1606 София | +359 2 9154 233  |                                                                                                                                                  |

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

|                |                                                                                             |                                                             |                                                                                                          |                                                                                                                                                                                                                                                 |
|----------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Croatia        | Centar za kontrolu otrovanja<br>Institut za medicinska<br>istraživanja i medicinu rada      | Ksaverska Cesta 2<br>p.p. 291<br>10000 Zagreb               | +385 1 234 8342                                                                                          | Information<br>available 24/7 in<br>Croatian and<br>English                                                                                                                                                                                     |
| Czech Republic | Toxikologické informační<br>středisko<br>Klinika pracovního lékařství VFN<br>a 1. LF UK     | Na Bojišti 1<br>120 00 Praha 2                              | +420 224 919 293<br>+420 224 915 402                                                                     |                                                                                                                                                                                                                                                 |
| Denmark        | Giftlinjen                                                                                  | Bispebjerg Bakke 23<br>Opgang 20 C<br>2400 København NV     | +45 82 12 12 12                                                                                          |                                                                                                                                                                                                                                                 |
| France         | ORFILA                                                                                      |                                                             | +33 1 45 42 59 59                                                                                        | This number<br>provides contact<br>details for all<br>French Poison<br>Control centers.<br>These poison and<br>toxicovigilance<br>centers provide<br>free medical<br>assistance<br>(excluding call<br>costs), 24 hours a<br>day, 7 days a week. |
| Greece         | Poisons Information Centre<br>Children's Hospital P&A Kyriakou                              | 11762 Athens                                                | +30 2 10 779 3777                                                                                        |                                                                                                                                                                                                                                                 |
| Hungary        | Országos Kémiai Biztonsági<br>Intézet<br>Egészségügyi Toxikológiai<br>Tájékoztató Szolgálat | Nagyvárad tér 2.<br>1437 Budapest, Pf. 839<br>1097 Budapest | +36 80 20 11 99                                                                                          |                                                                                                                                                                                                                                                 |
| Ireland        | National Poisons Information<br>Centre<br>Beaumont Hospital                                 | PO Box 1297<br>Beaumont Road<br>9 Dublin                    | +353 1 809 2566<br>(Healthcare<br>professionals-24/7)<br>+353 1 809 2166<br>(public, 8am - 10pm,<br>7/7) |                                                                                                                                                                                                                                                 |
| Malta          | Medicines & Poisons Info Office                                                             | Mater Dei Hospital<br>Msida<br>MSD 2090 Msida               | +356 2545 6508                                                                                           |                                                                                                                                                                                                                                                 |
| Malta          | Medicines & Poisons Info Office                                                             | Mater Dei Hospital<br>MSD Msida                             | +356 2545 6504                                                                                           |                                                                                                                                                                                                                                                 |

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|                |                                                                                                   |                                                           |                                |                                   |
|----------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------|-----------------------------------|
| Poland         | National Poisons Information Centre<br>The Nofer Institute of Occupational Medicine (Łódź)        | ul. Teresy 8<br>P.O. BOX 199<br>90950 Łódź                | +48 42 63 14 724               |                                   |
| Romania        | Department of Clinical Toxicology<br>Spitalul de Urgenta Floreasca                                | Calea Floreasca<br>Bucuresti                              | +40 21 230 8000                |                                   |
| Serbia         | Nacionalni centar za kontrolu trovanja - VMA                                                      | Crnotravska 17<br>11000 Beograd                           | +381 11 360 84 40              |                                   |
| Slovenia       | Center za klinično toksikologijo in farmakologijo<br>Interna klinika, UKCL                        | Zaloška 7<br>1000 Ljubljana                               | +386 522 52 83                 |                                   |
| Sweden         | Giftinformationscentralen                                                                         | Solna Strandväg 21<br>171 54 Solna                        | 112 – begär<br>Giftinformation |                                   |
| United Kingdom | National Poisons Information Service (Belfast Centre)<br>Royal Victoria Hospital                  | Grosvenor Road<br>BT12 6BA                                | 0344 892 0111                  | Only for healthcare professionals |
| United Kingdom | National Poisons Information Service (Birmingham Centre)<br>City Hospital                         | Dudley Road<br>B18 7QH                                    | 0344 892 0111                  | Only for healthcare professionals |
| United Kingdom | National Poisons Information Service (Cardiff Centre)<br>University Hospital Llandough            | Penlan Road<br>CF64 2XX                                   | 0344 892 0111                  | Only for healthcare professionals |
| United Kingdom | National Poisons Information Service (Edinburgh Centre)<br>Royal Infirmary of Edinburgh           | Little France Crescent<br>EH16 4SA                        | 0344 892 0111                  | Only for healthcare professionals |
| United Kingdom | Guy's & St Thomas' Poisons Unit<br>Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust     | Avonley Road<br>SE14 5ER                                  | +44 20 7188 7188               |                                   |
| United Kingdom | National Poisons Information Service (Newcastle Centre)<br>Regional Drugs and Therapeutics Centre | 16/17 Framlington Place<br>Newcastle-upon-Tyne<br>NE2 4AB | 0344 892 0111                  | Only for healthcare professionals |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4 H302

Skin corrosion/irritation, Category 2 H315

Serious eye damage/eye irritation, Category 2 H319

Hazardous to the aquatic environment – Acute Hazard, Category 1H400

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Hazardous to the aquatic environment – Chronic Hazard, H410

Category 1

Full text of H- and EUH-statements: see section 16

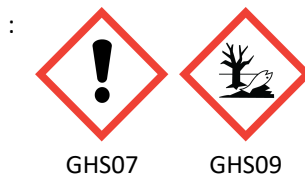
### Adverse physicochemical, human health and environmental effects

Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. Very toxic to aquatic life with long lasting effects.

## 2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Warning

Hazard statements (CLP)

: H302 - Harmful if swallowed.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P264 - Wash hands, forearms and face thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P330 - Rinse mouth.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P391 - Collect spillage.  
P501 - P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Substance type : Mono-constituent  
Name : SULFATE DE CUIVRE SOLUTION LAMOTHE  
CAS-No. : 7758-99-8  
EC-No. : 231-847-6

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| Name | Product identifier                        | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                                          |
|------|-------------------------------------------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | (CAS-No.) 7758-99-8<br>(EC-No.) 231-847-6 | 15 – 35 | Acute Tox. 4 (Oral), H302<br>(ATE=500 mg/kg bodyweight)<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410 |

Full text of H- and EUH-statements: see section 16

### 3.2. Mixtures

Not applicable

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                                                                                                                                          |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : In case of doubt or persistent symptoms, consult always a physician. Call a poison center or a doctor if you feel unwell.                                                                                                                                                              |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. If unconscious place in recovery position and seek medical advice.                                                                                                                                                      |
| First-aid measures after skin contact | : Rinse and then wash skin thoroughly with water and soap. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.                                                                                                      |
| First-aid measures after eye contact  | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion    | : Call a physician immediately. Rinse mouth.                                                                                                                                                                                                                                             |

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

|                                     |                   |
|-------------------------------------|-------------------|
| Symptoms/effects after skin contact | : Irritation.     |
| Symptoms/effects after eye contact  | : Eye irritation. |

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                              |                                                                                                       |
|------------------------------|-------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media | : Dry powder. Dry chemical, CO <sub>2</sub> , dry sand, or alcohol-resistant foam. Water spray. Foam. |
|------------------------------|-------------------------------------------------------------------------------------------------------|

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

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--------------------------------------------------|--------------------------------|

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### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

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

General measures : Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Stop leak if safe to do so.

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Collect spillage.  
Methods for cleaning up : Mechanically recover the product.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with skin and eyes. Wear personal protective equipment.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

Storage conditions : Store in a well-ventilated place. Keep cool.

### 7.3. Specific end use(s)

No additional information available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1 National occupational exposure and biological limit values

No additional information available

##### 8.1.2. Recommended monitoring procedures

No additional information available

##### 8.1.3. Air contaminants formed

No additional information available

##### 8.1.4. DNEL and PNEC

No additional information available

##### 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

##### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:**

Ensure good ventilation of the work station.

##### 8.2.2. Personal protection equipment

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



###### 8.2.2.1. Eye and face protection

**Eye protection:**

Chemical goggles or safety glasses. Safety glasses

###### 8.2.2.2. Skin protection

**Skin and body protection:**

Wear suitable protective clothing

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|                               |
|-------------------------------|
| <b>Hand protection:</b>       |
| Impermeable protective gloves |

### 8.2.2.3. Respiratory protection

|                                                            |
|------------------------------------------------------------|
| <b>Respiratory protection:</b>                             |
| with filter for particulates. Wear respiratory protection. |

### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

|                                                 |                                       |
|-------------------------------------------------|---------------------------------------|
| Physical state                                  | : Liquid                              |
| Colour                                          | : Blue.                               |
| Odour                                           | : odourless.                          |
| Odour threshold                                 | : Not available                       |
| Melting point                                   | : Not available                       |
| Freezing point                                  | : Not applicable                      |
| Boiling point                                   | : Not available                       |
| Flammability                                    | : Non flammable.                      |
| Explosive limits                                | : Not applicable                      |
| Lower explosion limit                           | : Not available                       |
| Upper explosion limit                           | : Not available                       |
| Flash point                                     | : Not applicable                      |
| Auto-ignition temperature                       | : Not applicable                      |
| Decomposition temperature                       | : Not available                       |
| pH                                              | : Not available                       |
| Viscosity, kinematic                            | : Not applicable                      |
| Solubility                                      | : Soluble in water.<br>Water: 317 g/l |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                       |
| Vapour pressure                                 | : Not available                       |
| Vapour pressure at 50°C                         | : Not available                       |
| Density                                         | : Not available                       |
| Relative density                                | : Not applicable                      |
| Relative vapour density at 20°C                 | : Not available                       |
| Particle size                                   | : Not applicable                      |

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|                                |                  |
|--------------------------------|------------------|
| Particle size distribution     | : Not applicable |
| Particle shape                 | : Not applicable |
| Particle aspect ratio          | : Not applicable |
| Particle aggregation state     | : Not applicable |
| Particle agglomeration state   | : Not applicable |
| Particle specific surface area | : Not applicable |
| Particle dustiness             | : Not applicable |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

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

|                                   |                         |
|-----------------------------------|-------------------------|
| Acute toxicity (oral)             | : Harmful if swallowed. |
| Acute toxicity (dermal)           | : Not classified        |
| Acute toxicity (inhalation)       | : Not classified        |
| Skin corrosion/irritation         | : skin irritation       |
| Serious eye damage/irritation     | : Irritating            |
| Respiratory or skin sensitisation | : Not classified        |

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|                        |                  |
|------------------------|------------------|
| 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 |

|                                               |                |
|-----------------------------------------------|----------------|
| <b>Sulfate de cuivre solution (7758-99-8)</b> |                |
| Viscosity, kinematic                          | Not applicable |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                         |
|-----------------------------------------------------------|---------------------------------------------------------|
| Ecology - general                                         | : Very toxic to aquatic life with long lasting effects. |
| Ecology - water                                           | : Harmful to aquatic life.                              |
| Hazardous to the aquatic environment, short-term (acute)  | : Very toxic to aquatic life.                           |
| Hazardous to the aquatic environment, long-term (chronic) | : Very toxic to aquatic life with long lasting effects. |

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

### SECTION 14: Transport information

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

#### 14.1. UN number or ID number

UN-No. (ADR) : UN 3077  
UN-No. (IMDG) : UN 3077  
UN-No. (IATA) : UN 3077  
UN-No. (ADN) : UN 3077  
UN-No. (RID) : UN 3077

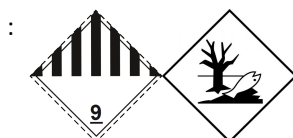
#### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
Proper Shipping Name (IATA) : Environmentally hazardous substance, solid, n.o.s.  
Proper Shipping Name (ADN) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
Proper Shipping Name (RID) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
Transport document description (ADR) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III, (-)  
Transport document description (IMDG) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III, MARINE POLLUTANT  
Transport document description (IATA) : UN 3077 Environmentally hazardous substance, solid, n.o.s., 9, III  
Transport document description (ADN) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III  
Transport document description (RID) : UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., 9, III

#### 14.3. Transport hazard class(es)

##### ADR

Transport hazard class(es) (ADR) : 9  
Danger labels (ADR) : 9



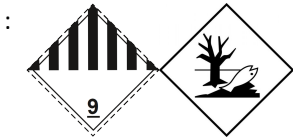
##### IMDG

Transport hazard class(es) (IMDG) : 9  
Danger labels (IMDG) : 9

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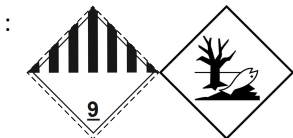
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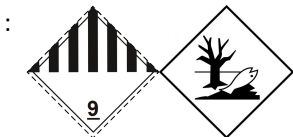
### IATA

Transport hazard class(es) (IATA) : 9  
Danger labels (IATA) : 9



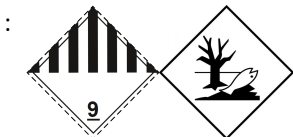
### ADN

Transport hazard class(es) (ADN) : 9  
Danger labels (ADN) : 9



### RID

Transport hazard class(es) (RID) : 9  
Danger labels (RID) : 9



### 14.4. Packing group

Packing group (ADR) : III  
Packing group (IMDG) : III  
Packing group (IATA) : III  
Packing group (ADN) : III  
Packing group (RID) : III

### 14.5. Environmental hazards

Dangerous for the environment : Yes  
Marine pollutant : Yes  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR) : M7  
Special provisions (ADR) : 274, 335, 375, 601  
Limited quantities (ADR) : 5kg  
Excepted quantities (ADR) : E1  
Packing instructions (ADR) : P002, IBC08, LP02, R001

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|                                                                         |                                                                                     |
|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Special packing provisions (ADR)                                        | : PP12, B3                                                                          |
| Mixed packing provisions (ADR)                                          | : MP10                                                                              |
| Portable tank and bulk container instructions (ADR)                     | : T1, BK1, BK2, BK3                                                                 |
| Portable tank and bulk container special provisions (ADR)               | : TP33                                                                              |
| Tank code (ADR)                                                         | : SGAV, LGBV                                                                        |
| Vehicle for tank carriage                                               | : AT                                                                                |
| Transport category (ADR)                                                | : 3                                                                                 |
| Special provisions for carriage - Packages (ADR)                        | : V13                                                                               |
| Special provisions for carriage - Bulk (ADR)                            | : VC1, VC2                                                                          |
| Special provisions for carriage - Loading, unloading and handling (ADR) | : CV13                                                                              |
| Hazard identification number (Kemler No.)                               | : 90                                                                                |
| Orange plates                                                           | :  |

|                               |      |
|-------------------------------|------|
| Tunnel restriction code (ADR) | : -  |
| EAC code                      | : 2Z |

### Transport by sea

|                                   |                           |
|-----------------------------------|---------------------------|
| Special provisions (IMDG)         | : 274, 335, 966, 967, 969 |
| Packing instructions (IMDG)       | : P002, LP02              |
| Special packing provisions (IMDG) | : PP12                    |
| IBC packing instructions (IMDG)   | : IBC08                   |
| IBC special provisions (IMDG)     | : B3                      |
| Tank instructions (IMDG)          | : T1, BK1, BK2, BK3       |
| Tank special provisions (IMDG)    | : TP33                    |
| EmS-No. (Fire)                    | : F-A                     |
| EmS-No. (Spillage)                | : S-F                     |
| Stowage category (IMDG)           | : A                       |
| Stowage and handling (IMDG)       | : SW23                    |

### Air transport

|                                              |                         |
|----------------------------------------------|-------------------------|
| PCA Excepted quantities (IATA)               | : E1                    |
| PCA Limited quantities (IATA)                | : Y956                  |
| PCA limited quantity max net quantity (IATA) | : 30kgG                 |
| PCA packing instructions (IATA)              | : 956                   |
| PCA max net quantity (IATA)                  | : 400kg                 |
| CAO packing instructions (IATA)              | : 956                   |
| CAO max net quantity (IATA)                  | : 400kg                 |
| Special provisions (IATA)                    | : A97, A158, A179, A197 |
| ERG code (IATA)                              | : 9L                    |

### Inland waterway transport

|                           |                      |
|---------------------------|----------------------|
| Classification code (ADN) | : M7                 |
| Special provisions (ADN)  | : 274, 335, 375, 601 |
| Limited quantities (ADN)  | : 5 kg               |

# Sulfate de cuivre solution

## Safety Data Sheet

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

|                                       |                                                                                                                     |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Excepted quantities (ADN)             | : E1                                                                                                                |
| Carriage permitted (ADN)              | : T* B**                                                                                                            |
| Equipment required (ADN)              | : PP, A                                                                                                             |
| Number of blue cones/lights (ADN)     | : 0                                                                                                                 |
| Additional requirements/Remarks (ADN) | : * Only in the molten state. ** For carriage in bulk see also 7.1.4.1. ** * Only in the case of transport in bulk. |

### Rail transport

|                                                                         |                           |
|-------------------------------------------------------------------------|---------------------------|
| Classification code (RID)                                               | : M7                      |
| Special provisions (RID)                                                | : 274, 335, 375, 601      |
| Limited quantities (RID)                                                | : 5kg                     |
| Excepted quantities (RID)                                               | : E1                      |
| Packing instructions (RID)                                              | : P002, IBC08, LP02, R001 |
| Special packing provisions (RID)                                        | : PP12, B3                |
| Mixed packing provisions (RID)                                          | : MP10                    |
| Portable tank and bulk container instructions (RID)                     | : T1, BK1, BK2, BK3       |
| Portable tank and bulk container special provisions (RID)               | : TP33                    |
| Tank codes for RID tanks (RID)                                          | : SGAV, LGBV              |
| Transport category (RID)                                                | : 3                       |
| Special provisions for carriage – Packages (RID)                        | : W13                     |
| Special provisions for carriage – Bulk (RID)                            | : VC1, VC2                |
| Special provisions for carriage - Loading, unloading and handling (RID) | : CW13, CW31              |
| Colis express (express parcels) (RID)                                   | : CE11                    |
| Hazard identification number (RID)                                      | : 90                      |

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Not listed on REACH Annex XVII  
Not listed on the REACH Candidate List  
Not listed on REACH Annex XIV (Authorisation List)  
Not listed on the PIC list (Regulation EU 649/2012)  
Not listed on the POP list (Regulation EU 2019/1021)

#### 15.1.2. National regulations

##### Germany

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV; ID No. 141)  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject to the Hazardous Incident Ordinance (12. BImSchV)

# Sulfate de cuivre solution

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### Netherlands

- SZW-lijst van kankerverwekkende stoffen : The substance is not listed
- SZW-lijst van mutagene stoffen : The substance is not listed
- SZW-lijst van reprotoxische stoffen – Borstvoeding : The substance is not listed
- SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : The substance is not listed
- SZW-lijst van reprotoxische stoffen – Ontwikkeling : The substance is not listed

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

| Full text of H- and EUH-statements: |                                                                   |
|-------------------------------------|-------------------------------------------------------------------|
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4                                 |
| Aquatic Acute 1                     | Hazardous to the aquatic environment – Acute Hazard, Category 1   |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                     |
| H302                                | Harmful if swallowed.                                             |
| H315                                | Causes skin irritation.                                           |
| H319                                | Causes serious eye irritation.                                    |
| H400                                | Very toxic to aquatic life.                                       |
| H410                                | Very toxic to aquatic life with long lasting effects.             |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                             |

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.