



**RESINE ACRYLIQUE POUDRE DE CUIVRE - 03006**

## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

### SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name : RESINE ACRYLIQUE POUDRE DE CUIVRE  
Product code : 03006.

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

Resin coating

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

Registered company name : PRESI S.A.S.  
Address : 11 Rue du vercors.38320.EYBENS.France.  
Telephone : +33 (0)4.76.72.00.21. Fax : +33 (0)4.76.72.05.84.  
presi@presi.com  
www.presi.com

#### 1.4. Emergency telephone number : +33 (0)1.45.42.59.59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

### SECTION 2 : HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### In compliance with EC regulation No. 1272/2008 and its amendments.

May produce an allergic reaction (EUH208).  
Hazardous to the aquatic environment - Acute hazard, Category 1 (Aquatic Acute 1, H400).  
Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).  
This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

#### 2.2. Label elements

##### In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS09

Signal Word :

WARNING

Additional labeling :

EUH208 Contains METHYL METHACRYLATE. May produce an allergic reaction.  
EUH208 Contains DIBENZOYL PEROXIDE. May produce an allergic reaction.

Hazard statements :

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements - Prevention :

P273 Avoid release to the environment.

Precautionary statements - Response :

P391 Collect spillage.

Precautionary statements - Disposal :

P501 Dispose of contents/container to ...

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**2.3. Other hazards**

In use, may form flammable/explosive dust-air mixture.

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances  $\geq 0.1\%$  with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

**Composition :**

Identification	(EC) 1272/2008	Note	%
CAS: 7440-50-8 EC: 231-159-6 REACH: 01-2119480154-42  GRANULATED COPPER	GHS09 Wng Aquatic Chronic 3, H412 Aquatic Acute 1, H400 M Acute = 1	[1]	25 $\leq$ x % $\leq$ 50
CAS: 80-62-6 EC: 201-297-1 REACH: 01-2119452498-28  METHYL METHACRYLATE	GHS07, GHS02 Dgr Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335	D [1]	0 $<$ x % $\leq$ 0.5
CAS: 94-36-0 EC: 202-327-6 REACH: 01-2119511472-50-XXXX  DIBENZOYL PEROXIDE	GHS07, GHS01, GHS02 Dgr 241.P Skin Sens. 1, H317 Eye Irrit. 2, H319	[1]	0 $<$ x % $\leq$ 0.2

**Specific concentration limits:**

Identification	Specific concentration limits	ATE
CAS: 80-62-6 EC: 201-297-1 REACH: 01-2119452498-28  METHYL METHACRYLATE		inhalation: ATE = 29.8 mg/l 4h (dust/mist) oral: ATE = 7800 mg/kg BW
CAS: 94-36-0 EC: 202-327-6 REACH: 01-2119511472-50-XXXX  DIBENZOYL PEROXIDE		inhalation: ATE = 24.3 mg/l (dust/mist) oral: ATE = 7710 mg/kg BW

**Information on ingredients :**

(Full text of H-phrases: see section 16)

[1] Substance for which maximum workplace exposure limits are available.

**SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

**4.1. description of first aid measures**

**In the event of exposure by inhalation :**

In the event of an allergic reaction, seek medical attention.

Move to fresh air

If symptoms persist, call a physician



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**In the event of splashes or contact with eyes :**

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.  
If there is any redness, pain or visual impairment, consult an ophthalmologist.  
Consult a physician if necessary

**In the event of splashes or contact with skin :**

Watch out for any remaining product between skin and clothing, watches, shoes, etc.  
In the event of an allergic reaction, seek medical attention.  
Wash off immediately with soap and plenty of water

**In the event of swallowing :**

Seek medical attention, showing the label.  
Do not induce vomiting without medical advice  
Rinse mouth thoroughly with water

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

No data available.

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

No data available.

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**SECTION 5 : FIREFIGHTING MEASURES**

Non-flammable.

**5.1. Extinguishing media**

**Suitable methods of extinction**

In the event of a fire, use :  
- dry sand  
- powder  
- carbon dioxide (CO<sub>2</sub>)

**Unsuitable methods of extinction**

In the event of a fire, do not use :  
- water

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.  
Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)  
- carbon dioxide (CO<sub>2</sub>)

Incomplete combustion produces toxic gases, such as CO, CO<sub>2</sub>, various forms of hydrocarbons, aldehydes, etc..., and soots

**5.3. Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus

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**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

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

Consult the safety measures listed under headings 7 and 8.

**For first aid worker**

First aid workers will be equipped with suitable personal protective equipment (See section 8).

**6.2. Environmental precautions**

Prevent any material from entering drains or waterways.

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

Retrieve the product by mechanical means (sweeping/vacuuming) : do not generate dust.

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**6.4. Reference to other sections**

No data available.

**SECTION 7 : HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the mixture is handled.

**7.1. Precautions for safe handling**

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Safe handling advice

Avoid contact with skin and eyes

Technical measures / Precautions

Provide sufficient air exchange and/or ventilation in work rooms

**Fire prevention :**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

**Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the mixture is used.

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

Keep away from food, drink and animals feeding stuffs

Do not smoke

Stock between 15°C and 25°C

**Storage**

Keep in a cool dry place

Keep the container tightly closed and protected from moisture

**Packaging**

Always keep in packaging made of an identical material to the original.

**7.3. Specific end use(s)**

No data available.

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1. Control parameters**

**Occupational exposure limits :**

- European Union (2022/431, 2019/1831, 2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m <sup>3</sup> :	VME-ppm :	VLE-mg/m <sup>3</sup> :	VLE-ppm :	Notes :
80-62-6	-	50	-	100	-

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7440-50-8	0.2 mg/m <sup>3</sup>	-	-	-	-
80-62-6	50 ppm	100 ppm		SEN; A4	
94-36-0	5 mg/m <sup>3</sup>			A4	

- Germany - AGW (BAuA - TRGS 900, 02/2022) :

CAS	VME :	VME :	Excess	Notes
80-62-6		50 ppm 210 mg/m <sup>3</sup>		2(I)
94-36-0		5E mg/m <sup>3</sup>		1(I)

- Canada / Ontario (Control of exposure to biological or chemical agents, regulation 491/2009) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
80-62-6	50 ppm	100 ppm	-	-	-

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- Canada / Quebec (Regulations on occupational health and safety) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7440-50-8	1 mg/m <sup>3</sup>	-	-	-	-
80-62-6	50 ppm 205 mg/m <sup>3</sup>			S	
94-36-0	5 mg/m <sup>3</sup>				

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m <sup>3</sup> :	VLE-ppm :	VLE-mg/m <sup>3</sup> :	Notes :	TMP No :
80-62-6	50	205	100	410	-	82
94-36-0	-	5	-	-	-	-

- Japan (JSOH, Recommendation of occupational exposure limits 2021-2022) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
80-62-6	8.3 mg/m <sup>3</sup>				

- Switzerland (Suva 2021) :

CAS	VME	VLE	Valeur plafond	Notations
7440-50-8	0.1 ppm	0.2 ppm		
80-62-6	50 ppm 210 mg/m <sup>3</sup>	100 ppm 420 mg/m <sup>3</sup>		
94-36-0	5 ppm	5 ppm		

- USA / NIOSH IDLH (National Institute for Occupational Safety and Health, Immediately Dangerous to Life or Health Concentrations) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7440-50-8	-	-	100	-	-
80-62-6	100 ppm 410 mg/m <sup>3</sup>				
94-36-0	5 mg/m <sup>3</sup>				

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7440-50-8	0.2 mg/m <sup>3</sup>	-	-	-	-
80-62-6	50 ppm 208 mg/m <sup>3</sup>	100 ppm 416 mg/m <sup>3</sup>			
94-36-0	5 mg/m <sup>3</sup>				

**Derived no effect level (DNEL) or derived minimum effect level (DMEL):**

DIBENZOYL PEROXIDE (CAS: 94-36-0)

**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

Exposure method:  
Potential health effects:  
DNEL :

**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

Exposure method:  
Potential health effects:  
DNEL :

Exposure method:  
Potential health effects:

**Workers.**

Dermal contact.  
Long term systemic effects.  
6.6 mg/kg body weight/day

Inhalation.  
Long term systemic effects.  
11.75 mg of substance/m<sup>3</sup>

**Consumers.**

Ingestion.  
Long term systemic effects.  
1.65 mg/kg body weight/day

Dermal contact.  
Long term systemic effects.  
3.3 mg/kg body weight/day

Inhalation.  
Long term systemic effects.



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DNEL : 2.9 mg of substance/m<sup>3</sup>

**METHYL METHACRYLATE (CAS: 80-62-6)**

**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

**Workers.**  
Dermal contact.  
Long term systemic effects.  
17 mg/kg body weight/day

Exposure method:  
Potential health effects:  
DNEL :

Inhalation.  
Long term systemic effects.  
208 mg of substance/m<sup>3</sup>

**GRANULATED COPPER (CAS: 7440-50-8)**

**Final use:**

Exposure method:  
Potential health effects:  
DNEL :

**Man exposed via the environment.**  
Ingestion.  
Long term systemic effects.  
0.041 mg/kg body weight/day

Exposure method:  
Potential health effects:  
DNEL :

Ingestion.  
Short term systemic effects.  
0.082 mg/kg body weight/day

Exposure method:  
Potential health effects:  
DNEL :

Dermal contact.  
Long term systemic effects.  
0.041 mg/kg body weight/day

Exposure method:  
Potential health effects:  
DNEL :

Dermal contact.  
Short term systemic effects.  
0.082 mg/kg body weight/day

**Predicted no effect concentration (PNEC):**

**GRANULATED COPPER (CAS: 7440-50-8)**

Environmental compartment:  
PNEC :

Soil.  
65.5 mg/kg

Environmental compartment:  
PNEC :

Fresh water.  
7.8 µg/l

Environmental compartment:  
PNEC :

Sea water.  
5.2 µg/l

Environmental compartment:  
PNEC :

Fresh water sediment.  
87 mg/kg

Environmental compartment:  
PNEC :

Marine sediment.  
676 mg/kg

**8.2. Exposure controls**

**Appropriate engineering controls**

Avoid contact with skin, eyes and clothing

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**Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes.

Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

Protective glasses completely dust-tight

**- Hand protection**

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

To place at the disposal of the users suitable gloves

**- Body protection**

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

To envisage normal working clothes

**- Respiratory protection**

Avoid inhaling dust.

Type of FFP mask :

Wear a disposable half-mask dust filter in accordance with standard EN149/A1.

Mask of protection suited for the dust

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

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

**Physical state**

Physical state : Powder or dust.

**Colour**

Unspecified

**Odour**

Odour threshold : Not stated.

**Melting point**

Melting point/melting range : Not specified.

**Freezing point**

Freezing point / Freezing range : Not stated.

**Boiling point or initial boiling point and boiling range**

Boiling point/boiling range : Not specified.

**Flammability**

Flammability (solid, gas) : Not stated.

**Lower and upper explosion limit**

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.



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**Flash point**

Flash point interval : Not relevant.

**Auto-ignition temperature**

Self-ignition temperature : Not specified.

**Decomposition temperature**

Decomposition point/decomposition range : Not specified.

**pH**

pH : Not relevant.

pH (aqueous solution) : Not stated.

**Kinematic viscosity**

Viscosity : Not stated.

**Solubility**

Water solubility : Insoluble.

Fat solubility : Not stated.

**Partition coefficient n-octanol/water (log value)**

Partition coefficient: n-octanol/water : Not stated.

**Vapour pressure**

Vapour pressure (50°C) : Not relevant.

**Density and/or relative density**

Density : > 1

**Relative vapour density**

Vapour density : Not stated.

**9.2. Other information**

No data available.

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

No data available.

**9.2.2. Other safety characteristics**

No data available.

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**SECTION 10 : STABILITY AND REACTIVITY**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

Avoid :

- formation of dusts

Dusts can form an explosive mixture with air.

**10.5. Incompatible materials**

Keep away from :

- flammable material

- oxidising agents

- acids

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)

- carbon dioxide (CO<sub>2</sub>)





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- Méthacrylate de méthyle

**SECTION 11 : TOXICOLOGICAL INFORMATION**

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

No data available.

**11.1.1. Substances**

**Acute toxicity :**

DIBENZOYL PEROXIDE (CAS: 94-36-0)

Oral route : LD50 = 7710 mg/kg  
Species : Rat

Inhalation route (Dusts/mist) : LC50 = 24.300 mg/l  
Species : Rat

METHYL METHACRYLATE (CAS: 80-62-6)

Oral route : LD50 = 7800 mg/kg  
Species : Rat  
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 > 5000 mg/kg  
Species : Rabbit

Inhalation route (Dusts/mist) : LC50 = 29.8 mg/l  
Species : Rat  
Duration of exposure : 4 h

**11.1.2. Mixture**

**Respiratory or skin sensitisation :**

Contains at least one sensitising substance. May cause an allergic reaction.

**11.2. Information on other hazards**

**SECTION 12 : ECOLOGICAL INFORMATION**

Very toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

**12.1. Toxicity**

**12.1.1. Substances**

DIBENZOYL PEROXIDE (CAS: 94-36-0)

Fish toxicity : LC50 = 2 mg/l  
Duration of exposure : 96 h

Crustacean toxicity : EC50 > 2 mg/l  
Duration of exposure : 48 h

Algae toxicity : ECr50 = 2 mg/l  
Duration of exposure : 72 h

METHYL METHACRYLATE (CAS: 80-62-6)

Fish toxicity : LC50 > 130 mg/l  
Species : Pimephales promelas  
Duration of exposure : 96 h

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	OECD Guideline 203 (Fish, Acute Toxicity Test)
Crustacean toxicity :	EC50 = 69 mg/l Species : Daphnia magna Duration of exposure : 48 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
	NOEC = 37 mg/l Species : Daphnia magna Duration of exposure : 21 days OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Algae toxicity :	ECr50 > 110 mg/l Species : Selenastrum capricornutum Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test)

**12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability**

Not inherently biodegradable

**12.2.1. Substances**

DIBENZOYL PEROXIDE (CAS: 94-36-0) Biodegradability :	Rapidly degradable.
METHYL METHACRYLATE (CAS: 80-62-6) Biodegradability :	Rapidly degradable.
GRANULATED COPPER (CAS: 7440-50-8) Biodegradability :	Rapidly degradable.

**12.3. Bioaccumulative potential**

**12.3.1. Substances**

DIBENZOYL PEROXIDE (CAS: 94-36-0) Octanol/water partition coefficient :	log K <sub>ow</sub> = 3.46
METHYL METHACRYLATE (CAS: 80-62-6) Octanol/water partition coefficient :	log K <sub>ow</sub> = 1.38

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Endocrine disrupting properties**

No data available.

**12.7. Other adverse effects**

No data available.

**German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :**

Nicht wassergefährdend : Not hazardous for water.

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**SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

**SECTION 14 : TRANSPORT INFORMATION**

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 [40-20] - ICAO/IATA 2022 [63]).

**14.1. UN number or ID number**

3077

**14.2. UN proper shipping name**

UN3077=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(granulated copper)

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

- Classification :



9

**14.4. Packing group**

III

**14.5. Environmental hazards**

- Environmentally hazardous material :



**14.6. Special precautions for user**

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	9	M7	III	9	90	5 kg	274 335 375 601	E1	3	-

Not subject to this regulation if Q ≤ 5 l / 5 kg (ADR 3.3.1 - DS 375)

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	9	-	III	5 kg	F-A, S-F	274 335 966 967 969	E1	Category A SW23	-

Not subject to this regulation if Q ≤ 5 l / 5 kg (IMDG 3.3.1 - 2.10.2.7)

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ

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	9	-	III	956	400 kg	956	400 kg	A97 A158 A179 A197 A215	E1
	9	-	III	Y956	30 kg G	-	-	A97 A158 A179 A197 A215	E1

Not subject to this regulation if Q <= 5 l / 5 kg (IATA 4.4.4 - DS A197)

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

Marine pollutant (IMDG 3.1.2.9):(granulated copper)

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

No data available.

**SECTION 15: Regulatory information**

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

**- Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2022/692 (ATP 18)

**- Container information:**

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH):  
<https://echa.europa.eu/substances-restricted-under-reach>.

**- Particular provisions :**

No data available.

**- German regulations concerning the classification of hazards for water (WGK, AwSV Annex I, KBws) :**

Nicht wassergefährdend : Not hazardous for water.

**15.2. Chemical safety assessment**

No data available.

**SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

**Wording of the phrases mentioned in section 3 :**

H225	Highly flammable liquid and vapour.
H241	Heating may cause a fire or explosion.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

**Abbreviations :**

LD50 : The dose of a test substance resulting in 50% lethality in a given time period.

LC50 : The concentration of a test substance resulting in 50% lethality in a given period.

EC50 : The effective concentration of substance that causes 50% of the maximum response.

ECr50 : The effective concentration of substance that causes 50% reduction in growth rate.

NOEC : The concentration with no observed effect.

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.



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ATE : Acute Toxicity Estimate

BW : Body Weight

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS09 : Environment

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.