



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 19.02.2015

Version number 1

Revision: 19.02.2015

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** **HELIOTERPEN CUIVRE**
- **Relevant identified uses of the substance or mixture and uses advised against**
phytosanitary product
- **Application of the substance / the mixture** phytosanitary product
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
ACTION PIN
ZI de Cazalieu
CS 60030
40260 CASTETS
FRANCE
tel: 33-(0)-558550700
fax: 33-(0)-558550707
fds@action-pin.fr
- **Further information obtainable from:** Commercial
- **Emergency telephone number:** INRS/ORFILA :01 45 42 59 59

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

GHS07

Acute Tox. 4 H302 Harmful if swallowed.
Skin Irrit. 2 H315 Causes skin irritation.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xn; Harmful

R22: Harmful if swallowed.



Xi; Irritant

R38-41: Irritating to skin. Risk of serious damage to eyes.



N; Dangerous for the environment

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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· Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· Label elements**· Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· Hazard pictograms

GHS05 GHS07 GHS09

· Signal word Danger**· Hazard-determining components of labelling:**

copper hydroxyde

· Hazard statements

H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H410 Very toxic to aquatic life with long lasting effects.

· Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
P305+P351+P338 **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P301+P312 **IF SWALLOWED:** Call a POISON CENTER or doctor/physician if you feel unwell.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Additional information:

To avoid risks to human health and the environment, comply with the instructions for use.
SP1 Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.
SPe3 To protect aquatic organisms, respect an unsprayed buffer zone to surface water bodies of 50 meters for vines (aerial application), 30 meters for citrus, olive, cherry, apricot, peach, kiwi and hop, 20 meters for almond, hazelnut, walnut, pistachio tree, pear, apple and plum, 10 meters for vines (late application) and small fruits (raspberry and currant) and 5 meters for tomato.
SPe7 : Do not apply more than 4.50 kg a.s./ha during the bird breeding reproduction

· Other hazards**· Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients**· Chemical characterization: Mixtures**

· **Description:** Fungicidal preparation for phytopharmaceutic use.

· Dangerous components:

copper hydroxyde (CAS: 20427-59-2)	25-50%
<input checked="" type="checkbox"/> Xn R20/22; <input checked="" type="checkbox"/> Xi R41; <input checked="" type="checkbox"/> N R51/53	
<input checked="" type="checkbox"/> Eye Dam. 1, H318; <input checked="" type="checkbox"/> Aquatic Chronic 2, H411; <input checked="" type="checkbox"/> Acute Tox. 4, H302; Acute Tox. 4, H332	

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Dispersant R52/53 ----- Aquatic Chronic 3, H412	2.5-10%
Terpenic derivative (CAS: 8000-41-7) ☒ Xi R36/38 ----- ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	2.5-10%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
If person is conscious, rinse out mouth with water.
Call for a doctor immediately.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Foam
Fire-extinguishing powder
Carbon dioxide (CO₂)
- **Special hazards arising from the substance or mixture** In case of fire, the following can be released:
- **Advice for firefighters**
- **Protective equipment:**
Mount respiratory protective device.
Personal protective equipment.
- **Additional information:** Cool endangered receptacles with water spray.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Particular danger of slipping on leaked/spilled product.
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Clean the affected area carefully; suitable cleaners are:
Water
Dispose of the material collected according to regulations.
- **Reference to other sections**
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
- **Maximum storage temperature:** < 35 °C
- **Minimum storage temperature:** > 0 °C
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:**
Plan for eye water fountains and a good ventilation in the premises when the product is handled in constant and large quantities.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or sniff while working.
- **Protection of hands:**



Protective gloves

- **Material of gloves** Nitrile rubber, NBR
- **Penetration time of glove material**
The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
- **Eye protection:**



Safety glasses

- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
- **Form:** Viscous
- **Colour:** Blue

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· Odour:	Pine
· pH-value at 20 °C:	8.5 ((1%))
· Change in condition Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· Flash point:	>120 °C
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density:	Not determined.
· Bulk density at 20 °C:	1520 kg/m ³
· Solubility in / Miscibility with water:	Dispersible.
· Viscosity: Dynamic at 21 °C:	765 m mPas
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Incompatible materials:** No further relevant information available.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values relevant for classification:
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Hydroxyde de cuivre

LD50	1000 mg/kg (rat)
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OECD 401

- **Primary irritant effect:**

- **on the skin:**

Irritant to skin and mucous membranes.

OECD 404

- **on the eye:**

Strong irritant with the danger of severe eye injury.

OECD 405

- **Sensitization:**

No sensitizing effects known.

OECD 406

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** Toxic to aquatic organisms.
- **Persistence and degradability** No further relevant information available.

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- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Very toxic for aquatic organisms
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Delivery of waste oil to officially authorized collectors only.
- **Uncleaned packaging:**
- **Recommendation:** Never re-use empty packs.
- **Recommended cleansing agents:** Water.

14 Transport information

· UN-Number · ADR, IMDG, IATA	3082
· UN proper shipping name · IMDG · IATA	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydroxyde de cuivre) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydroxyde de cuivre)
· Transport hazard class(es) · ADR, IMDG, IATA	
	
· Class · Label	9 Miscellaneous dangerous substances and articles. 9
· Packing group · ADR, IMDG, IATA	III
· Environmental hazards: · Marine pollutant:	Yes Symbol (fish and tree)
· Special marking (ADR): · Special marking (IATA):	Symbol (fish and tree) Symbol (fish and tree)
· Special precautions for user · Danger code:	Warning: Miscellaneous dangerous substances and articles. 90
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydroxyde de cuivre), 9, III

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15 Regulatory information

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

27025-M1

· **Relevant phrases**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

R20/22 Harmful by inhalation and if swallowed.

R36/38 Irritating to eyes and skin.

R41 Risk of serious damage to eyes.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Department issuing technical data sheet:** Marketing

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

· *** Data compared to the previous version altered.**

Updated according to the regulation n° CE/ 453/2010

version 1.1

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