



## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

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

#### 1.1. Product identifier

Product name : OWATROL SPIRIT REACTIV LEAF CUIVRE  
Product code : OPRLC01.

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

Primer / Underlayment

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

Registered company name : DURIEU S.A..  
Address : Z.I. "La Marinière" 2 bis, rue Charles de Gaulle.91070.BONDOUFLE.FRANCE.  
Telephone : + 33 (0)1.60.86.48.70. Fax : + 33 (0)1.60.86.84.84.  
info@durieu.com  
www.durieu.com

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

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

#### Other emergency numbers

UNITED KINGDOM :UK National poisons emergency number: +44 (0) 870 600 6266 IRELAND, EIRE: Ireland National Poisons Information  
Centre: +353 (0) 1 8379964 AUSTRALIA: Poison Information Centre: 131 126 NEW ZEALAND: Poison Information Centre 0 800 764 766:

### 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 2 (Aquatic Chronic 2, H411).  
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 3-IODO-2-PROPYNYL BUTYL CARBAMATE (IPBC). May produce an allergic reaction.

EUH208 Contains 1,2-BENZISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.

Hazard statements :

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements - General :

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Precautionary statements - Prevention :

P262 Do not get in eyes, on skin, or on clothing.

P273 Avoid release to the environment.

Precautionary statements - Response :

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Precautionary statements - Disposal :

P501

Dispose of contents / container in a waste collection point.

**2.3. Other hazards**

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.

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures****Composition :**

| Identification  | (EC) 1272/2008  | Note | %                   |
|---|---|------|---------------------|
| INDEX: 311<br>CAS: 7440-50-8<br>EC: 231-159-6<br>REACH: 01-2119480154-42<br><br>COPPER                | GHS07, GHS09<br>Wng<br>Acute Tox. 4, H302<br>Eye Irrit. 2, H319<br>Aquatic Acute 1, H400<br>M Acute = 10<br>Aquatic Chronic 1, H410<br>M Chronic = 1  | [1]  | 2.5 $\leq$ x % < 10 |
| INDEX: 007<br>CAS: 57-55-6<br>EC: 200-338-0<br>REACH: 01-2119456809-23<br><br>1,2-PROPANEDIOL         |   | [1]  | 2.5 $\leq$ x % < 10 |
| INDEX: 030-001-01-9<br>CAS: 7440-66-6<br>EC: 231-175-3<br><br>ZINC POWDER - ZINC DUST<br>(STABILISED) | GHS09<br>Wng<br>Aquatic Acute 1, H400<br>M Acute = 1<br>Aquatic Chronic 1, H410<br>M Chronic = 1  |      | 0 $\leq$ x % < 1    |
| INDEX: 061<br>CAS: 55406-53-6<br>EC: 259-627-5<br><br>3-iodo-2-propynyl<br>butylcarbamate (IPBC)      | GHS07, GHS05, GHS09<br>Dgr<br>Acute Tox. 4, H302<br>Skin Sens. 1, H317<br>Eye Dam. 1, H318<br>Acute Tox. 4, H332<br>STOT SE 3, H335<br>Aquatic Acute 1, H400<br>M Acute = 1<br>Aquatic Chronic 1, H410<br>M Chronic = 1 | [1]  | 0 $\leq$ x % < 1    |
| INDEX: 199<br>CAS: 2634-33-5<br>EC: 220-120-9<br><br>1,2-benzisothiazol-3(2H)-one                     | GHS07, GHS05, GHS09<br>Dgr<br>Acute Tox. 4, H302<br>Skin Irrit. 2, H315<br>Skin Sens. 1, H317<br>Eye Dam. 1, H318<br>Aquatic Chronic 2, H411<br>Aquatic Acute 1, H400<br>M Acute = 1                                    |      | 0 $\leq$ x % < 0.05 |

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

**Information on ingredients :**

[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.

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

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

##### In the event of swallowing :

Seek medical attention, showing the label.

#### 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.

## SECTION 5 : FIREFIGHTING MEASURES

This product is not classed as flammable.

#### 5.1. Extinguishing media

##### Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- multipurpose ABC powder
- water with AFFF (Aqueous Film Forming Foam) additive
- foam

##### Unsuitable methods of extinction

Direct water jet.

#### 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>)
- nitrogen oxide (NO)
- nitrogen dioxide (NO<sub>2</sub>)

#### 5.3. Advice for firefighters

No data available.

## 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

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

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

Clean preferably with a detergent, do not use solvents.

#### 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.

##### 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**

No data available.

**Storage**

Keep out of reach of children.

**Packaging**

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

Recommended types of packaging :

- Jars

Suitable packaging materials :

- Plastic

Unsuitable packaging materials :

- Metal

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

No data available.

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational exposure limits :**

- 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> | -      | -         | -            | -          |

- Germany - AGW (BAuA - TRGS 900, 29/01/2018) :

| CAS        | VME : | VME :                                | Excess | Notes |
|------------|-------|--------------------------------------|--------|-------|
| 55406-53-6 |       | 0,005 ppm<br>0,058 mg/m <sup>3</sup> |        | 2(l)  |

- UK / WEL (Workplace exposure limits, EH40/2005, 2011) :

| CAS       | TWA :                            | STEL :                       | Ceiling : | Definition : | Criteria : |
|-----------|----------------------------------|------------------------------|-----------|--------------|------------|
| 7440-50-8 | 0.2 mg/m <sup>3</sup>            | -                            | -         | -            | -          |
| 57-55-6   | 150 ppm<br>474 mg/m <sup>3</sup> | - ppm<br>- mg/m <sup>3</sup> |           |              |            |

**8.2. Exposure controls****Personal protection measures, such as personal protective equipment**

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.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles in accordance with standard EN166.

**- Hand protection**

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

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.

Type of gloves recommended :

- Natural latex

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- PVC (polyvinyl chloride)

- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties :

- Impervious gloves in accordance with standard EN374

**- 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.

 **- Respiratory protection**

Type of FFP mask :

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

Category :

- FFP2

Type of mask with combined filters :

Wear a half mask in accordance with standard EN140.

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- A1 (Brown)

- B1 (Grey)

Particle filter according to standard EN143 :

- P2 (White)

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties****General information :**

|                  |               |
|------------------|---------------|
| Physical state : | Fluid liquid. |
|------------------|---------------|

**Important health, safety and environmental information**

|   |                 |
|---|-----------------|
| pH :                                      | 8.50 .          |
|   | Slightly basic. |
| Boiling point/boiling range :             | Not specified.  |
| Flash point interval :                    | Not relevant.   |
| Vapour pressure (50°C) :                  | Not relevant.   |
| Density :                                 | > 1             |
| Water solubility :                        | Dilutable.      |
| Melting point/melting range :             | Not specified.  |
| Self-ignition temperature :               | Not relevant.   |
| Decomposition point/decomposition range : | Not specified.  |
| % VOC :                                   | 4               |

 **9.2. Other information**

|             |    |
|-------------|----|
| VOC (g/l) : | 50 |
|-------------|----|

**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 :

- frost

**10.5. Incompatible materials****10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)

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

- nitrogen oxide (NO)

- nitrogen dioxide (NO<sub>2</sub>)

**SECTION 11 : TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

No data available.

**11.1.1. Substances****Acute toxicity :**

1,2-BENZISOTHIAZOL-3(2H)-ONE (CAS: 2634-33-5)

|   |   |
|---|---|
| Oral route :  | LD50 = 597 mg/kg<br>Species : Rat<br>OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)    |
| Dermal route :  | LD50 > 2000 mg/kg<br>Species : Rat<br>OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée) |
| 3-IODO-2-PROPYNYL BUTYLCARBAMATE (IPBC) (CAS: 55406-53-6) |   |
| Oral route :  | LD50 = 1056 mg/kg<br>Species : Rat<br>OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)   |
| Dermal route :  | LD50 > 2000 mg/kg<br>Species : Rat<br>OCDE Ligne directrice 402 (Toxicité aiguë par voie cutanée) |

### 11.1.2. Mixture

#### Respiratory or skin sensitisation :

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

## 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

COPPER (CAS: 7440-50-8)

Fish toxicity : 0.01 < LC50 <= 0.1 mg/l  
Factor M = 10  
Duration of exposure : 96 h

1,2-BENZISOTHIAZOL-3(2H)-ONE (CAS: 2634-33-5)

Fish toxicity : LC50 = 0.74 mg/l  
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 2.44 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h

3-IODO-2-PROPYNYL BUTYLCARBAMATE (IPBC) (CAS: 55406-53-6)

Fish toxicity : LC50 = 0.067 mg/l  
Species : Others  
Duration of exposure : 96 h

NOEC = 0.0084 mg/l  
Factor M = 1  
Species : Pimephales promelas  
Duration of exposure : 35 jours

Crustacean toxicity : EC50 = 0.16 mg/l  
Species : Daphnia magna  
Duration of exposure : 48 h

EC50 mg/l  
Species : Daphnia magna  
Duration of exposure : 21 jours

Species : Others

Algae toxicity : ECr50 = 0.022 mg/l  
Species : Scenedesmus subspicatus  
Duration of exposure : 72 h

NOEC = 0.0046 mg/l  
Factor M = 1  
Species : Scenedesmus subspicatus

### 12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

## 12.2. Persistence and degradability

### 12.2.1. Substances

1,2-BENZISOTHIAZOL-3(2H)-ONE (CAS: 2634-33-5)

Biodegradability : Rapidly degradable.

3-iodo-2-propynyl butylcarbamate (IPBC) (CAS: 55406-53-6)

Biodegradability : Rapidly degradable.

COPPER (CAS: 7440-50-8)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

## 12.3. Bioaccumulative potential

### 12.3.1. Substances

1,2-BENZISOTHIAZOL-3(2H)-ONE (CAS: 2634-33-5)

Octanol/water partition coefficient : log K<sub>ow</sub> = 0.4

Bioaccumulation : BCF = 1.4

3-iodo-2-propynyl butylcarbamate (IPBC) (CAS: 55406-53-6)

Octanol/water partition coefficient : log K<sub>ow</sub> = 2.81

## 12.4. Mobility in soil

No data available.

## 12.5. Results of PBT and vPvB assessment

No data available.

## 12.6. Other adverse effects

No data available.

## 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.

#### Codes of wastes (Decision 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :

15 01 10 \* packaging containing residues of or contaminated by dangerous substances

08 01 11 \* waste paint and varnish containing organic solvents or other dangerous substances

## 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 2017 - IMDG 2016 - ICAO/IATA 2017).

### 14.1. UN number

3082

### 14.2. UN proper shipping name

UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(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     | M6   | III      | 9     | 90     | 5 L | 274 335<br>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 |
|------|-------|---------|----------|-----|---------|----------------|----|
|      | 9     | -       | III      | 5 L | F-A,S-F | 274 335<br>969 | E1 |

\*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 |
|------|-------|---------|----------|----------|----------|-------|-------|------------------|----|
|      | 9     | -       | III      | 964      | 450 L    | 964   | 450 L | A97 A158<br>A197 | E1 |
|      | 9     | -       | III      | Y964     | 30 kg G  | -     | -     | A97 A158<br>A197 | 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.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

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. 2017/776 (ATP 10)

**- Container information:**

No data available.

**- Labelling for VOCs present in varnishes, paints and in vehicle refinishing products (2004/42/EC) :**

The permitted European level of VOC in this ready-to-use product is limited to 50 g/l.

The permitted European levels of VOC in the ready-to-use product (category IIAI) are 300 g/l maximum in 2007 and 200 g/l maximum in 2010.

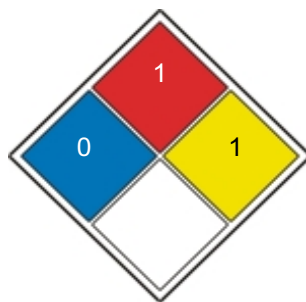
**- Particular provisions :**

No data available.

**- Standardised American system for the identification of hazards presented by the product in view of emergency procedures (NFPA 704) :**

NFPA 704, Labelling: Health=0 Inflammability=1 Instability/Reactivity=1 Specific Risk=none





## 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 :

|             |   |
|-------------|---|
| H302        | Harmful if swallowed.                                 |
| H302 + H332 | Harmful if swallowed or if inhaled.                   |
| H315        | Causes skin irritation.                               |
| H317        | May cause an allergic skin reaction.                  |
| H318        | Causes serious eye damage.                            |
| H319        | Causes serious eye irritation.                        |
| H332        | Harmful if inhaled.                                   |
| H335        | May cause respiratory irritation.                     |
| H400        | Very toxic to aquatic life.                           |
| H410        | Very toxic to aquatic life with long lasting effects. |
| H411        | Toxic to aquatic life with long lasting effects.      |

### Abbreviations :

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.