



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 PCD91

Product code : PDC01.

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

Protection product after the cutting of wood deeply treated

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 - 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.

Additional labeling :

EUH208 Contains 3-iodo-2-propynyl butylcarbamate (IPBC). May produce an allergic reaction.

EUH208 Contains 2,4,7,9-tetremethyldec-5-yne-4,7 diol. May produce an allergic reaction.

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

Hazard statements :

H412 Harmful 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 :

P273 Avoid release to the environment.

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: 603-027-00-1 CAS: 107-21-1 EC: 203-473-3 ETHYLENE GLYCOL | GHS07 Wng Acute Tox. 4, H302 | [1] | 1 <= x % < 2.5 |
| INDEX: 061 CAS: 55406-53-6 EC: 259-627-5 3-iodo-2-propynyl butylcarbamate (IPBC) | GHS07, GHS05, GHS09 Dgr Acute Tox. 4, H302 Skin Sens. 1, H317 Eye Dam. 1, H318 Acute Tox. 4, H332 STOT SE 3, H335 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1 | [1] | 0 <= x % < 1 |
| INDEX: 147 CAS: 126-86-3 EC: 204-809-1 REACH: 01-2119954390-3 2,4,7,9,-TETREMETHYLDEC-5-YNE-4 ,7 DIOL | GHS05, GHS07 Dgr Skin Sens. 1B, H317 Eye Dam. 1, H318 Aquatic Chronic 3, H412 | | 0 <= x % < 1 |
| INDEX: 199 CAS: 2634-33-5 EC: 220-120-9 1,2-BENZISOTHIAZOL-3(2H)-ONE | GHS07, GHS05, GHS09 Dgr Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 Aquatic Chronic 2, H411 Aquatic Acute 1, H400 M Acute = 1 | | 0 <= x % < 1 |

(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 case of long exposure, without any protection, can cause temporary irritation.

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

In the event of splashes or contact with skin :

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

Wash thoroughly with soft clean water.

In the event of swallowing :

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show 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
- foam
- carbon dioxide (CO₂)

Unsuitable methods of extinction

In the event of a fire, do not use :

- 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 (CO₂)
- nitrogen oxide (NO)
- nitrogen dioxide (NO₂)

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.

Ensure that there is adequate ventilation, especially in confined areas.

Fire prevention :

Handle in well-ventilated areas.

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.

Packages which have been opened must be reclosed carefully and stored in an upright position.

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 heat

Keep away from freezing.

Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging

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

Recommended types of packaging :

- Vats
- Buckets

Suitable packaging materials :

- Coated steel
- Plastic

7.3. Specific end use(s)

No data available.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

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

| CAS | VME-mg/m ³ : | VME-ppm : | VLE-mg/m ³ : | VLE-ppm : | Notes : |
|----------|-------------------------|-----------|-------------------------|-----------|---------|
| 107-21-1 | 52 | 20 | 104 | 40 | Peau |

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

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|----------|-------|--------|-----------|--------------|------------|
| 107-21-1 | - | - | 100 | - | - |

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

| CAS | VME : | VME : | Excess | Notes |
|------------|-------|--------------------------------------|--------|-------|
| 107-21-1 | | 10 ppm 26 mg/m ³ | | 2(I) |
| 55406-53-6 | | 0,005 ppm 0,058 mg/m ³ | | 2(I) |

- France (INRS - ED984 :2016) :

| CAS | VME-ppm : | VME-mg/m ³ : | VLE-ppm : | VLE-mg/m ³ : | Notes : | TMP No : |
|----------|-----------|-------------------------|-----------|-------------------------|---------|----------|
| 107-21-1 | 20 | 52 | 40 | 104 | * | 84 |

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

| CAS | TWA : | STEL : | Ceiling : | Definition : | Criteria : |
|----------|--------------------------------|---------------------------------|-----------|--------------|------------|
| 107-21-1 | 20 ppm 52 mg/m ³ | 40 ppm 104 mg/m ³ | | | |

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)
- PVA (Polyvinyl alcohol)

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 aerosol 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)

- AX (Brown)

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 : | 100 °C. |
| Flash point interval : | Not relevant. |
| Vapour pressure (50°C) : | Not relevant. |
| Vapour density : | >1 |
| Density : | 1.01 |
| Water solubility : | Dilutable. |
| Melting point/melting range : | Not relevant. |
| Self-ignition temperature : | Not relevant. |
| Decomposition point/decomposition range : | Not relevant. |
| % VOC : | 3 |

9.2. Other information

| | |
|-------------|----|
| VOC (g/l) : | 30 |
|-------------|----|

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

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

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 (CO₂)

- nitrogen oxide (NO)

- nitrogen dioxide (NO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Splashes in the eyes may cause irritation and reversible damage

11.1.1. Substances

Acute toxicity :

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

Oral route :
LD50 = 597 mg/kg
Species : Rat
OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)

Dermal route :
LD50 > 2000 mg/kg
Species : Rat
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
Species : Rat
OCDE Ligne directrice 401 (Toxicité aiguë par voie orale)

Dermal route :
LD50 > 2000 mg/kg
Species : Rat
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

Harmful to aquatic life with long lasting effects.

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

12.1. Toxicity

Do not leave this product, not diluted or in great quantity, penetrate the ground water, waters or the drains.

12.1.1. Substances

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

Fish toxicity :
LC50 = 0.74 mg/l
Factor M = 1
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

Easily biodegradable.

12.2.1. Substances

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

Biodegradability : Rapidly degradable.

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

Biodegradability : Rapidly degradable.

12.3. Bioaccumulative potential

12.3.1. Substances

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

Octanol/water partition coefficient : log K_{ow} = 0.4

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

Octanol/water partition coefficient : log K_{ow} = 2.81

12.4. Mobility in soil

Contains a solid phase.

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 12 waste paint and varnish other than those mentioned in 08 01 11

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

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 30 g/l.

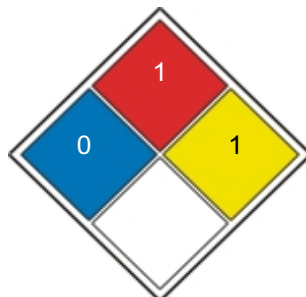
The permitted European levels of VOC in the ready-to-use product (category II Ae) are 150 g/l maximum in 2007 and 130 g/l maximum in 2010.

- 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.

A symbol shown on the side of the page, indicates that the paragraph has been modified and supersedes all previous versions of the same paragraph.

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. |
| 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. |
| H412 | Harmful 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).

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.