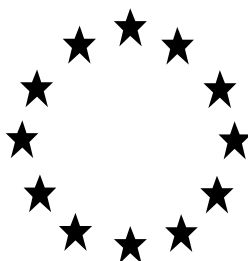


**Regulation (EU) No 528/2012 concerning the making
available on the market and use of biocidal products**

Evaluation of active substance

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Dicopper oxide

Product type 21: antifouling products

Final CAR

March 2016

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Section A8
IUCLID: A8.1-8.8

A8, Measures necessary to protect man, animals and the environment

Subsection
(Annex Point)

8.1

Recommended methods and precautions concerning handling, use, storage, transport or fire (IIA8.1)

8.1.0 Methods and precautions concerning placing on the market

Safe systems of work/handling, and specific training of users are recommended

8.1.1 Methods and precautions concerning production, handling and use of the active substance and its formulations

Respiratory protection: Where possible the airborne concentration should be kept as low as possible by appropriate ventilation and collection methods. If this is not available then an approved dust mask should be worn.

Skin protection: Rubber or neoprene gloves. Other protective clothing, apron, sleeves, coveralls, boots sufficient to prevent contact.

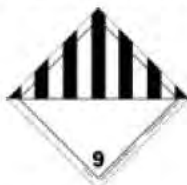
Eye protection: Goggles or face shield.

8.1.2 Methods and precautions concerning storage of the active substance and its formulations

Store in a dry, cool area.

8.1.3 Methods and precautions concerning transport of the active substance and its formulations

Land transport ADR/RID (cross-border)



ADR/RID class: 9 (M7) Miscellaneous dangerous substances and articles.

UN-Number: 3077

Packaging group: III

Hazard label: 9

Description of goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dicopper oxide).

Maritime transport IMDG:

IMDG Class: 9

UN Number: 3077

Packaging group: III

EMS Number: F-A,S-F

Marine pollutant: -

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dicopper oxide).

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 9

UN/ID Number: 3077

Packaging group: III

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dicopper oxide).

8.1.4 Methods and precautions concerning fire of the active substance and its formulations

Not combustible under normal conditions of use. Avoid naked flames and other sources of ignition.

8.2

In case of fire, nature of reaction products, combustion gases, etc. (IIA8.2)

In the event of fire, carbon dioxide, carbon monoxide and [REDACTED] may be released.

8.3

Emergency measures in case of an accident (IIA8.3)

8.3.1 Specific treatment in case of an accident, e.g. first-aid measures, antidotes, medical treatment if available

In the event of fire wear self-contained breathing apparatus and use a suitable extinguishing medium e.g. water, foam, carbon dioxide and dry powder.

Following contact with skin, wash off immediately with plenty of water.

In case of contact with eyes immediately flush with plenty of water.

Following inhalation, move to fresh air.

In case of accidental spillage avoid dust formation and use Personal protective equipment.

8.3.2 Emergency measures to protect the environment

Environmental precautions – do not allow to enter drains

8.4

Possibility of destruction or decontamination following release in or on the following: (a) Air; (b) Water, including drinking water; (c) Soil (IIA8.4)

8.4.1 Possibility of destruction or decontamination following release in the air

Since [REDACTED] is insoluble with very low vapour pressure, significant contamination of air should not occur as the compound will quickly precipitate from the atmosphere to soil and water compartments.

8.4.2 Possibility of destruction or decontamination following release in water, including

Contamination of water may occur in the case of leakage at the manufacturing plant. In this case the contaminated water is collected and may be recycled by re-introducing it in the manufacturing process.

drinking water	<p>Should any contamination of water occur outside the plant, the contaminated water should be collected or contained with clean up via suction and filtering.</p> <p>If surface waters are contaminated, insoluble [REDACTED] compounds are deposited to the sediment where it is durably bound by different complexation and adsorption processes. The buffer capacity of sediment can be enhanced by addition of organic matter or increasing the pH. Sediments can also be dredged and removed to an approved dumping site.</p>
8.4.3 Possibility of destruction or decontamination following release in or on soil	<p>If the substance is spilled in soil, soil can to be collected and removed to an approved landfill site.</p>
8.5	<p>Procedures for waste management of the active substance for industry or professional users e.g. possibility of re-use or recycling, neutralisation, conditions for controlled discharge, and incineration (IIA8.5)</p>
8.5.1 Possibility of re-use or recycling	<p>Contamination of water may occur in the case of leakage at the manufacturing plant. In this case the contaminated water is collected and may be recycled by re-introducing it in the manufacturing process. Incineration is not recommended.</p>
8.5.2 Possibility of neutralisation of effects	<p>Neutralisation with chemicals is not necessary as the [REDACTED] is not toxic.</p>
8.5.3 Conditions for controlled discharge including leachate qualities on disposal	<p>Disposal must be in accordance with Hazardous Waste Directive (91/689/EEC).</p> <p>The active substance can be disposed to an approved landfill site as specified by the local or country authorities. Due to the high binding capacity of [REDACTED] to soil any release from an approved landfill site would not leach significantly into surrounding soil.</p>
8.5.4 Conditions for controlled incineration	<p>Not applicable</p>
8.6	<p>Observations on undesirable or unintended side-effects, e.g. on beneficial and other non-target organisms (IIA8.6)</p> <p>None</p>
8.7	<p>Identification of any substances falling within the scope of List I or List II of the Annex to Directive 80/68/EEC on the protection of groundwater against pollution caused by certain dangerous substances (IIA8.7)</p> <p>Not applicable, [REDACTED] is not on List I or List II</p>

Evaluation by Competent Authorities

Use separate "evaluation boxes" to provide transparency as to the comments and views submitted

EVALUATION BY RAPPORTEUR MEMBER STATE

Date

June 2014

Materials and methods

Results and discussion

Conclusion

Reliability

Acceptability

Remarks

Date

Results and discussion

Conclusion

Reliability

Acceptability

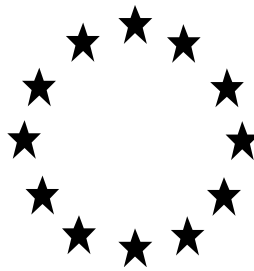
Remarks

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Section A9

Classification and labelling

Annex Point IIA, IX

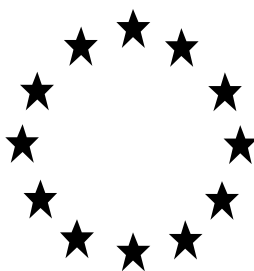
	COMMENTS FROM ...
Date	[REDACTED]
Materials and Methods	[REDACTED] [REDACTED] [REDACTED]
Results and discussion	[REDACTED]
Conclusion	[REDACTED]
Reliability	[REDACTED]
Acceptability	[REDACTED]
Remarks	

**Regulation (EU) No 528/2012 concerning the
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