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 : ANTIFOULING AF2 RACING AU PTFE GRIS

Product code : 1503096500.

UFI : J031-R0TE-9006-3SXH

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

antifouling paint

1.3. Details of the supplier of the safety data sheet

Registered company name : SOROMAP PEINTURES VERNIS.

Address : 3, RUE MAURICE MALLET Z.A. DE BELIGON.17300.ROCHEFORT SUR MER.FRANCE.

Telephone : 05.46.88.36.10. Fax : 05.46.88.36.15.

contact@soromap.com

www.soromap.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.

Flammable liquid, Category 3 (Flam. Liq. 3, H226).

Acute oral toxicity, Category 4 (Acute Tox. 4, H302).

Acute inhalation toxicity, Category 4 (Acute Tox. 4, H332).

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Serious eye damage, Category 1 (Eye Dam. 1, H318).

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H335).

Hazardous to the aquatic environment - Acute hazard, Category 1 (Aquatic Acute 1, H400).

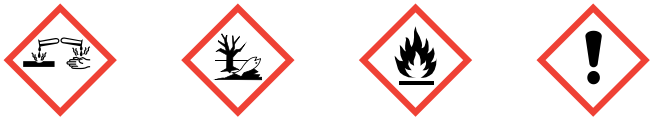
Hazardous to the aquatic environment - Chronic hazard, Category 1 (Aquatic Chronic 1, H410).

2.2. Label elements

Biocidal mixture (see section 15).

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

Hazard pictograms :



GHS05 GHS09 GHS02 GHS07

Signal Word :

DANGER

Product identifiers :

EC 215-270-7 DICOPPER OXIDE

EC 918-668-5 HYDROCARBONS, C9, AROMATICS

EC 232-475-7 ROSIN, COLOPHONY
EC 264-843-8 4,5-DICHLORO-2-N-OCTYL-4-ISOTHIAZOL-3-ONE
REACTION PRODUCTS OF FATTY ACIDS, TALL OIL AND FATTY ACIDS, C18 UNSATURATED, TRIMERS AND FATTY ACIDS, C18 UNSATURATED, DIMERS WITH (9Z)-OCTADEC-9-EN-1-AMINE

Hazard statements :

H226	Flammable liquid and vapour.
H302 + H332	Harmful if swallowed or if inhaled.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
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.

Precautionary statements - Prevention :

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ ...

Precautionary statements - Response :

P302 + P352	IF ON SKIN: Wash with plenty of water/...
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary statements - Disposal :

P501	Dispose of contents/container by approved organization

Other information :

Any losses or waste containing 4,5-Dichloro-2-octyl-2H-isothiazol-3-one and dicopperoxide shall be collected for reuse or disposal.

Application, maintenance and repair activities shall be conducted within a contained area, on impermeable hard standing with bunding or on soil covered with an impermeable material.

Children shall be kept away until treated surfaces are dry.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 0.1% published by the European CHemicals Agency (ECHA) under article 59 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> = 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	Classification (EC) 1272/2008	Note	%
CAS: 1317-39-1 EC: 215-270-7 REACH: 01-2119513794-36-0002 DICOPPER OXIDE	GHS07, GHS05, GHS09 Dgr Acute Tox. 4, H302 Eye Dam. 1, H318 Acute Tox. 4, H332 Aquatic Acute 1, H400 M Acute = 100 Aquatic Chronic 1, H410 M Chronic = 100		25 <= x % < 50

EC: 918-668-5 REACH: 01-2119455851-35-xxxx HYDROCARBONS, C9, AROMATICS	GHS09, GHS07, GHS08, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 STOT SE 3, H336 Aquatic Chronic 2, H411 Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 STOT SE 3, H336 Aquatic Chronic 2, H411 066		10 <= x % < 25
CAS: 8050-09-7 EC: 232-475-7 REACH: 01-2119480418-32 ROSIN, COLOPHONY	GHS07 Wng Skin Sens. 1, H317	[i]	2.5 <= x % < 10
CAS: 13463-67-7 EC: 236-675-5 REACH: 01-2119489379-17 TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1% OR MORE OF PARTCLES WITH AERODYNAMIC DIAMETER >=10µM]		[i]	2.5 <= x % < 10
CAS: 1330-20-7 EC: 215-535-7 REACH: 01-2119488216-32 XYLENE	GHS07, GHS08, GHS02 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 Aquatic Chronic 3, H412	C [i]	2.5 <= x % < 10
CAS: 8002-74-2 EC: 232-315-6 REACH: 01-2119488076-30 PARAFFIN WAXES AND HYDROCARBON WAXES		[i]	2.5 <= x % < 10
CAS: 1314-13-2 EC: 215-222-5 ZINC OXIDE	GHS09 Wng Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1	[i]	2.5 <= x % < 10
CAS: 64359-81-5 EC: 264-843-8 4,5-DICHLORO-2-N-OCTYL-4-ISOTHIAZOL-3-ONE	GHS06, GHS05, GHS09 Dgr Acute Tox. 4, H302 Skin Corr. 1, H314 Skin Sens. 1A, H317 Eye Dam. 1, H318 Acute Tox. 2, H330 STOT SE 3, H335 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 100		1 <= x % < 2.5

CAS: 100-41-4 EC: 202-849-4 ETHYLBENZENE	GHS07, GHS08, GHS02 Dgr Flam. Liq. 2, H225 Asp. Tox. 1, H304 Acute Tox. 4, H332 STOT RE 2, H373 Aquatic Chronic 3, H412	[i]	0 <= x % < 1
REACH: 01-2120101675-63 REACTION PRODUCTS OF FATTY ACIDS, TALL OIL AND FATTY ACIDS, C18 UNSATURATED, TRIMERS AND FATTY ACIDS, C18 UNSATURATED, DIMERS WITH (9Z)-OCTADEC-9-EN-1-AMINE	GHS07, GHS08 Wng Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1A, H317 STOT RE 2, H373 Aquatic Chronic 3, H412		0 <= x % < 1
CAS: 1333-86-4 EC: 215-609-9 REACH: 01-2119384822-32 CARBON, AMORPHOUS		[i]	0 <= x % < 1
CAS: 21645-51-2 EC: 244-492-7 REACH: 01-2119529246-39 ALUMINIUM HYDROXIDE		[i]	0 <= x % < 1
INDEX: 607-035-00-6 CAS: 80-62-6 EC: 201-297-1 REACH: 01-2119452498-28 METHYL METHACRYLATE	GHS02, GHS07 Dgr Flam. Liq. 2, H225 STOT SE 3, H335 Skin Irrit. 2, H315 Skin Sens. 1, H317	D [i]	0 <= x % < 1
INDEX: 604-004-00-9 CAS: 1319-77-3 EC: 215-293-2 MIX-CRESOL	GHS06, GHS05 Dgr Acute Tox. 3, H311 Acute Tox. 3, H301 Skin Corr. 1B, H314	[i]	0 <= x % < 1
CAS: 98-82-8 EC: 202-704-5 CUMENE	GHS09, GHS08, GHS02, GHS07 Dgr Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 Carc. 1B, H350 Aquatic Chronic 2, H411	[i] [ii]	0 <= x % < 1
CAS: 26530-20-1 EC: 247-761-7 2-OCTYL-2H-ISOTHIAZOL-3-ONE	GHS06, GHS05, GHS09 Dgr Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Corr. 1, H314 Skin Sens. 1A, H317 Eye Dam. 1, H318 Acute Tox. 2, H330 Aquatic Acute 1, H400 M Acute = 10 Aquatic Chronic 1, H410 M Chronic = 10	[i]	0 <= x % < 1

Specific concentration limits:

Identification	Specific concentration limits	ATE
CAS: 1317-39-1 EC: 215-270-7 REACH: 01-2119513794-36-0002 DICOPPER OXIDE		inhalation: ATE = 3.34 mg/l 4h (dust/mist)

EC: 918-668-5 REACH: 01-2119455851-35-xxxx HYDROCARBONS, C9, AROMATICS		oral: ATE = 3592 mg/kg BW
CAS: 64359-81-5 EC: 264-843-8 4,5-DICHLORO-2-N-OCTYL-4-ISOTHIAZOL-3-ONE		inhalation: ATE = 0.26 mg/l 4h (dust/mist)

Information on ingredients :

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

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

[ii] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

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 massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

Do not proceed with mouth-to-mouth or mouth-to-nose resuscitation.Use the appropriate equipment.

In the event of splashes or contact with eyes :

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

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

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

If the contaminated aera is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing :

Do not give the patient anything orally.

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

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

Seek medical attention immediately, 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

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist

- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

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)

5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

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 non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

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.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Use drums to dispose of collected waste in compliance with current regulations (see section 13).

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.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

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.

Remove contaminated clothing and protective equipment before entering eating areas.

Emergency showers and eye wash stations will be required in facilities where the mixture is handled constantly.

Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Prevent the accumulation of electrostatic charges with connections to earth.

The mixture can become electrostatically charged: always ground when decanting. Wear antistatic shoes and clothing and make floors of non-conductive

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

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.

Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.

Provide vapor extraction at the emission source and also general ventilation of the premises.

Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.

In all cases, recover emissions at source.

Avoid eye contact with this mixture at all times.

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.

Never open the packages under pressure.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep out of reach of children.

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

Keep away from food and drink, including those for animals.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

Avoid accumulation of electrostatic charges.

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.

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/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
1330-20-7	221	50	442	100	Peau
100-41-4	442	100	884	200	Peau
80-62-6	-	50	-	100	-
98-82-8	50	10	250	50	

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

CAS	VME :	VME :	Excess	Notes

1330-20-7		50 ppm 220 mg/m3		2(II)
100-41-4		20 ppm 88 mg/m3		2(II)
80-62-6		50 ppm 210 mg/m3		2(I)
98-82-8		10 ppm 50 mg/m3		4 (II)
26530-20-1		0.05 E mg/m3		2(I)

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

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3 :	Notes :	TMP No :
8050-09-7		0.1				65,66
13463-67-7		10				
1330-20-7	50	221	100	442	VLRC	84,4 BIS
8002-74-2		2				36
1314-13-2	-	5	-	-	-	-
100-41-4	20	88.4	100	442	VLRC	84
1333-86-4		3.5				
80-62-6	50	205	100	410	VLRC	82
1319-77-3	5	22				
98-82-8	10	50	50	250	VLRC	84

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
8050-09-7	0.05 mg/m3	0.15 mg/m3		Sen	
13463-67-7	4 mg/m3				
1330-20-7	50 ppm 220 mg/m3	100 ppm 441 mg/m3		Sk. BMGV	
8002-74-2	2 mg/m3	6 mg/m3			
100-41-4	100 ppm 441 mg/m3	125 ppm 552 mg/m3		Sk	
1333-86-4	3.5 mg/m3	7 mg/m3			
21645-51-2	10 mg/m3	-	-	-	TI
80-62-6	50 ppm 208 mg/m3	100 ppm 416 mg/m3			
98-82-8	25 ppm 125 mg/m3	50 ppm 250 mg/m3		Sk	

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

CUMENE (CAS: 98-82-8)

Final use: **Workers.**

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 15.4 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 100 mg of substance/m3

Exposure method: Inhalation.
Potential health effects: Long term local effects.
DNEL : 250 mg of substance/m3

Final use: **Consumers.**

Exposure method: Ingestion.
Potential health effects: Long term systemic effects.

DNEL :	5 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	1.2 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	16.6 mg of substance/m3

REACTION PRODUCTS OF FATTY ACIDS, TALL OIL AND FATTY ACIDS, C18 UNSATURATED, TRIMERS AND FATTY ACIDS, C18 UNSATURATED, DIMERS WITH (9Z)-OCTADEC-9-EN-1-AMINE

Final use:	**Workers.**
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	0.43 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	0.75 mg of substance/m3
Final use:	**Consumers.**
Exposure method:	Ingestion.
Potential health effects:	Long term systemic effects.
DNEL :	0.11 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	0.21 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term local effects.
DNEL :	0.0113 mg of substance/cm2
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	0.37 mg of substance/m3

ETHYLBENZENE (CAS: 100-41-4)

Final use:	**Workers.**
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	180 µg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Short term local effects.
DNEL :	293 mg of substance/m3
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	77 mg of substance/m3
Final use:	**Consumers.**
Exposure method:	Ingestion.
Potential health effects:	Long term systemic effects.

DNEL : 1.6 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 15 mg of substance/m3

ROSIN, COLOPHONY (CAS: 8050-09-7)
Final use: **Workers.**
Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 2.131 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term local effects.
DNEL : 10 mg of substance/m3

Final use: **Consumers.**
Exposure method: Ingestion.
Potential health effects: Long term systemic effects.
DNEL : 1.065 mg/kg body weight/day

Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 1.065 mg/kg body weight/day

HYDROCARBONS, C9, AROMATICS
Final use: **Workers.**
Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 25 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 150 mg of substance/m3

Final use: **Consumers.**
Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 11 mg/kg body weight/day

Exposure method: Inhalation.
Potential health effects: Long term systemic effects.
DNEL : 32 mg of substance/m3

DICOPPER OXIDE (CAS: 1317-39-1)
Final use: **Workers.**
Exposure method: Dermal contact.
Potential health effects: Long term systemic effects.
DNEL : 137 mg/kg body weight/day

Predicted no effect concentration (PNEC):

CUMENE (CAS: 98-82-8)
Environmental compartment: Soil.

PNEC :	0.624 mg/kg
Environmental compartment:	Fresh water.
PNEC :	0.035 mg/l
Environmental compartment:	Sea water.
PNEC :	0.0035 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	3.22 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	0.322 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	200 mg/l

REACTION PRODUCTS OF FATTY ACIDS, TALL OIL AND FATTY ACIDS, C18 UNSATURATED, TRIMERS AND FATTY ACIDS, C18 UNSATURATED, DIMERS WITH (9Z)-OCTADEC-9-EN-1-AMINE

Environmental compartment:	Fresh water.
PNEC :	0.194 mg/l
Environmental compartment:	Sea water.
PNEC :	0.0194 mg/l
Environmental compartment:	Waste water treatment plant.
PNEC :	100 mg/l

ETHYLBENZENE (CAS: 100-41-4)

Environmental compartment:	Soil.
PNEC :	2.68 mg/kg
Environmental compartment:	Fresh water.
PNEC :	0.1 mg/l
Environmental compartment:	Sea water.
PNEC :	0.01 mg/l
Environmental compartment:	Intermittent waste water.
PNEC :	0.1 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	13.7 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	9.6 mg/l

4,5-DICHLORO-2-N-OCTYL-4-ISOTHIAZOL-3-ONE (CAS: 64359-81-5)

Environmental compartment:	Soil.
PNEC :	0.062 mg/kg
Environmental compartment:	Fresh water.
PNEC :	0.034 µg/l
Environmental compartment:	Sea water.

PNEC :	0.0068 µg/l
Environmental compartment:	Fresh water sediment.
PNEC :	0.41 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	0.0034 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	0.064 mg/l

ZINC OXIDE (CAS: 1314-13-2)

Environmental compartment:	Soil.
PNEC :	35.6 mg/kg
Environmental compartment:	Fresh water.
PNEC :	20.6 µg/l
Environmental compartment:	Sea water.
PNEC :	6.1 µg/l
Environmental compartment:	Fresh water sediment.
PNEC :	117.8 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	56.5 mg/kg

XYLENE (CAS: 1330-20-7)

Environmental compartment:	Soil.
PNEC :	2.31 mg/kg
Environmental compartment:	Fresh water.
PNEC :	0.327 mg/l
Environmental compartment:	Sea water.
PNEC :	0.327 mg/l
Environmental compartment:	Intermittent waste water.
PNEC :	0.327 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	12.46 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	12.46 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	6.58 mg/l

ROSIN, COLOPHONY (CAS: 8050-09-7)

Environmental compartment:	Soil.
PNEC :	0 mg/kg
Environmental compartment:	Fresh water.
PNEC :	0.002 mg/l

Environmental compartment:	Sea water.
PNEC :	0 mg/l
Environmental compartment:	Fresh water sediment.
PNEC :	0.007 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	0.001 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	1000 mg/l

DICOPPER OXIDE (CAS: 1317-39-1)

Environmental compartment:	Soil.
PNEC :	65 mg/kg
Environmental compartment:	Fresh water.
PNEC :	7.8 µg/l
Environmental compartment:	Sea water.
PNEC :	5.2 µg/l
Environmental compartment:	Fresh water sediment.
PNEC :	87 mg/kg
Environmental compartment:	Marine sediment.
PNEC :	676 mg/kg
Environmental compartment:	Waste water treatment plant.
PNEC :	0.23 mg/l

8.2. Exposure controls

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.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

- 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.

Type of gloves recommended :

- PVA (Polyvinyl alcohol)

- Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

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

Avoid inhaling vapors.

If the ventilation is insufficient, wear appropriate breathing apparatus.

When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.

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

- A1 (Brown)

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	
Physical state :	Viscous liquid.
Colour	
colour	N/A
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.
Flash point	
Flash Point :	46.50 °C.
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) :	Below 110 kPa (1.10 bar).

Density and/or relative density

Density :	> 1

Relative vapour density

Vapour density :	Not stated.

Particle characteristics

The mixture does not contain nanoforms.

9.2. Other information

VOC (g/l) :	411.78

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

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

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- accumulation of electrostatic charges.
- heating
- heat
- flames and hot surfaces

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11 : TOXICOLOGICAL INFORMATION

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

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Harmful if swallowed.

Harmful by inhalation.

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis.

Respiratory tract irritation may occur, together with symptoms such as coughing, choking and breathing difficulties.

May cause an allergic reaction by skin contact.

11.1.1. Substances

Acute toxicity :

4,5-DICHLORO-2-N-OCTYL-4-ISOTHIAZOL-3-ONE (CAS: 64359-81-5)

Inhalation route (Dusts/mist) :	LC50 = 0.26 mg/l Species : Rat Duration of exposure : 4 h

DICOPPER OXIDE (CAS: 1317-39-1)

Dermal route :	LD50 > 2000 mg/kg bodyweight/day Species : Rat
Inhalation route (Dusts/mist) :	LC50 = 3.34 mg/l Species : Rat Duration of exposure : 4 h

CARBON, AMORPHOUS (CAS: 1333-86-4)

Oral route :	LD50 > 8000 mg/kg bodyweight/day OECD Guideline 401 (Acute Oral Toxicity)

PARAFFIN WAXES AND HYDROCARBON WAXES (CAS: 8002-74-2)

Oral route :	LD50 > 5 mg/kg bodyweight/day Species : Rat OECD Guideline 401 (Acute Oral Toxicity)
Dermal route :	LD50 > 2 mg/kg bodyweight/day Species : Rat OECD Guideline 402 (Acute Dermal Toxicity)

TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1% OR MORE OF PARTCLES WITH AERODYNAMIC DIAMETER >=10µM] (CAS: 13463-67-7)

Oral route :	LD50 > 5000 mg/kg bodyweight/day Species : Rat OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure)
Dermal route :	LD50 > 10000 mg/kg bodyweight/day Species : Rabbit
Inhalation route (Dusts/mist) :	LC50 > 6.82 mg/l Species : Rat

ROSIN, COLOPHONY (CAS: 8050-09-7)

Oral route :	LD50 > 2000 mg/kg bodyweight/day Species : Rat OECD Guideline 423 (Acute Oral toxicityAcute Toxic Class Method)
Dermal route :	LD50 > 2000 mg/kg bodyweight/day

Species : Rat
OECD Guideline 402 (Acute Dermal Toxicity)

HYDROCARBONS, C9, AROMATICS
Oral route : LD50 = 3592 mg/kg bodyweight/day
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 > 3160 mg/kg bodyweight/day
Species : Rabbit
OECD Guideline 402 (Acute Dermal Toxicity)

Respiratory or skin sensitisation :

TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1% OR MORE OF PARTCLES WITH AERODYNAMIC DIAMETER >=10µM] (CAS: 13463-67-7)
Local lymph node stimulation test : Non-Sensitiser.
Species : Mouse
OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

HYDROCARBONS, C9, AROMATICS
Local lymph node stimulation test : Non-Sensitiser.

Germ cell mutagenicity :

PARAFFIN WAXES AND HYDROCARBON WAXES (CAS: 8002-74-2)
Mutagenesis (in vitro) : Negative.
OECD Guideline 471 (Bacterial Reverse Mutation Assay)

ROSIN, COLOPHONY (CAS: 8050-09-7)
Mutagenesis (in vitro) : Negative.
OECD Guideline 471 (Bacterial Reverse Mutation Assay)

TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1% OR MORE OF PARTCLES WITH AERODYNAMIC DIAMETER >=10µM] (CAS: 13463-67-7)
Mutagenesis (in vivo) : Negative.
OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)

OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Ames test (in vitro) : Negative.

Specific target organ systemic toxicity - repeated exposure :

PARAFFIN WAXES AND HYDROCARBON WAXES (CAS: 8002-74-2)
Oral route : C = 1.5 mg/kg bodyweight/day
Duration of exposure : 90 days
OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

11.1.2. Mixture

No toxicological data available for the mixture.

11.2. Information on other hazards

Endocrine disrupting properties

The mixture does not contain any substance evaluated as an endocrine disruptor with effects on human health.

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 98-82-8 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 80-62-6 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 1333-86-4 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 100-41-4 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 1330-20-7 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 13463-67-7 : IARC Group 2B : The agent is possibly carcinogenic to humans.

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

DICOPPER OXIDE (CAS: 1317-39-1)

Crustacean toxicity :	Duration of exposure : 48 h

ROSIN, COLOPHONY (CAS: 8050-09-7)

Fish toxicity :	NOEC = 0.625 mg/l Species : Pimephales promelas Duration of exposure : 96 h OECD Guideline 203 (Fish, Acute Toxicity Test)
Crustacean toxicity :	EC50 = 1.6 mg/l Species : Daphnia magna Duration of exposure : 48 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Algae toxicity :	ECr50 = 16.6 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test)

CARBON, AMORPHOUS (CAS: 1333-86-4)

Fish toxicity :	EC0 mg/l Species : Brachydanio rerio OECD Guideline 203 (Fish, Acute Toxicity Test)
Crustacean toxicity :	EC50 mg/l Species : Daphnia magna Duration of exposure : 24 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Algae toxicity :	EC50 mg/l Species : Scenedesmus subspicatus Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test)

2-OCTYL-2H-ISOTHIAZOL-3-ONE (CAS: 26530-20-1)

Fish toxicity :	LC50 = 0.047 mg/l Factor M = 10 Species : Oncorhynchus mykiss Duration of exposure : 96 h OECD Guideline 203 (Fish, Acute Toxicity Test) NOEC = 0.022 mg/l Factor M = 1 Duration of exposure : 21 days

Crustacean toxicity :	EC50 = 0.32 mg/l Factor M = 1 Duration of exposure : 48 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) NOEC = 0.0016 mg/l Factor M = 10 Species : Daphnia magna Duration of exposure : 21 days
Algae toxicity :	ECr50 = 0.084 mg/l Factor M = 10 Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test)

ALUMINIUM HYDROXIDE (CAS: 21645-51-2)

Fish toxicity :	LC50 > 10000 mg/l Duration of exposure : 96 h
Crustacean toxicity :	EC50 > 10000 mg/l Species : Daphnia magna Duration of exposure : 48 h

ETHYLBENZENE (CAS: 100-41-4)

Fish toxicity :	LC50 = 4.2 mg/l Species : Oncorhynchus mykiss Duration of exposure : 96 h OECD Guideline 203 (Fish, Acute Toxicity Test)
Crustacean toxicity :	EC50 = 2.1 mg/l Species : Daphnia magna Duration of exposure : 24 h NOEC = 0.96 mg/l Species : Ceriodaphnia dubia Duration of exposure : 7 days
Algae toxicity :	ECr50 = 4.1 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h

XYLENE (CAS: 1330-20-7)

Fish toxicity :	LC50 = 2.6 mg/l Species : Oncorhynchus mykiss Duration of exposure : 96 h OECD Guideline 203 (Fish, Acute Toxicity Test)
Crustacean toxicity :	EC50 = 2.8 mg/l Species : Daphnia magna Duration of exposure : 24 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Algae toxicity :	ECr50 = 4.36 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h

OECD Guideline 201 (Alga, Growth Inhibition Test)

NOEC = 0.44 mg/l
Species : Pseudokirchnerella subcapitata
Duration of exposure : 72 h
OECD Guideline 201 (Alga, Growth Inhibition Test)

TITANIUM DIOXIDE; [IN POWDER FORM CONTAINING 1% OR MORE OF PARTCLES WITH AERODYNAMIC DIAMETER >=10µM] (CAS: 13463-67-7)

Fish toxicity : LC50 > 10000 mg/l
Species : Cyprinodon variegatus
Duration of exposure : 96 h
OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity : EC50 > 1000 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

Algae toxicity : ECr50 > 100 mg/l
Species : Pseudokirchnerella subcapitata
Duration of exposure : 72 h

4,5-DICHLORO-2-N-OCTYL-4-ISOTHIAZOL-3-ONE (CAS: 64359-81-5)

Fish toxicity : LC50 = 0.0027 mg/l
Species : Oncorhynchus mykiss
Duration of exposure : 96 h
OECD Guideline 203 (Fish, Acute Toxicity Test)

NOEC = 0.00056 mg/l
Factor M = 100
Species : Oncorhynchus mykiss

Crustacean toxicity : EC50 = 0.0057 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

NOEC = 0.00063 mg/l
Factor M = 100
Species : Daphnia magna
Duration of exposure : 21 days

Algae toxicity : ECr50 = 0.048 mg/l
Species : Raphidocelis subcapitata
Duration of exposure : 72 h
OECD Guideline 201 (Alga, Growth Inhibition Test)

HYDROCARBONS, C9, AROMATICS

Fish toxicity : LC50 = 9.2 mg/l
Species : Oncorhynchus mykiss
Duration of exposure : 96 h

Crustacean toxicity : EC50 = 3.2 mg/l
Species : Daphnia magna
Duration of exposure : 48 h

OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Algae toxicity : ECr50 = 2.75 mg/l
Species : Pseudokirchnerella subcapitata
Duration of exposure : 72 h
Other guideline

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

2-OCTYL-2H-ISOTHIAZOL-3-ONE (CAS: 26530-20-1)
Biodegradability : Non-rapidly degradable.

ALUMINIUM HYDROXIDE (CAS: 21645-51-2)
Biodegradability : Non-rapidly degradable.

CARBON, AMORPHOUS (CAS: 1333-86-4)
Biodegradability : Non-rapidly degradable.

REACTION PRODUCTS OF FATTY ACIDS, TALL OIL AND FATTY ACIDS, C18 UNSATURATED, TRIMERS AND FATTY ACIDS, C18 UNSATURATED, DIMERS WITH (9Z)-OCTADEC-9-EN-1-AMINE
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

ETHYLBENZENE (CAS: 100-41-4)
Biodegradability : Rapidly degradable.

4,5-DICHLORO-2-N-OCTYL-4-ISOTHIAZOL-3-ONE (CAS: 64359-81-5)
Biodegradability : Non-rapidly degradable.

ZINC OXIDE (CAS: 1314-13-2)
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

PARAFFIN WAXES AND HYDROCARBON WAXES (CAS: 8002-74-2)
Biodegradability : Non-rapidly degradable.

XYLENE (CAS: 1330-20-7)
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

ROSIN, COLOPHONY (CAS: 8050-09-7)
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

HYDROCARBONS, C9, AROMATICS
Biodegradability : Rapidly degradable.

DICOPPER OXIDE (CAS: 1317-39-1)
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

12.3.1. Substances

ETHYLBENZENE (CAS: 100-41-4)

Octanol/water partition coefficient : log Koe = 3.15

Bioaccumulation : BCF = 15

PARAFFIN WAXES AND HYDROCARBON WAXES (CAS: 8002-74-2)
Octanol/water partition coefficient : log Koe = 6

XYLENE (CAS: 1330-20-7)
Octanol/water partition coefficient : 3 <= log Koe < 4.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

The mixture does not contain any substance evaluated as an endocrine disruptor with environmental effects.

12.7. Other adverse effects

No data available.

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

WGK 3 : Extremely hazardous for water.

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, 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 2023 - IMDG 2022 [41-22] - ICAO/IATA 2024 [65]).

14.1. UN number or ID number

1263

14.2. UN proper shipping name

UN1263=PAINT (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning and reducing compound)

14.3. Transport hazard class(es)

- Classification :

3

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
	3	F1	III	3	30	5 L	163 367 650	E1	3	D/E

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	3	-	III	5 L	F-E. S-E	163 223 367 955	E1	Category A	-

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	3	-	III	355	60 L	366	220 L	A3 A72 A192	E1
	3	-	III	Y344	10 L	-	-	A3 A72 A192	E1

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):(dicopper oxide)

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. 2023/707.
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2024/197. (ATP 21)

Container information:

Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).

Restrictions applied under Title VIII of Regulation (EC) No. 1907/2006 (REACH):

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.

Explosives precursors :

The mixture does not contain any substance subject to Regulation (EU) 2019/1148 on the marketing and use of explosives precursors.

Particular provisions :

No data available.

Labelling for biocidal products (Regulation (UE) n° 528/2012) :

Name	CAS	%	Product-type
4,5-DICHLORO-2-N-OCTYL-4-ISOTHIAZOL-3-ONE	64359-81-5	24.00 g/kg	21
DICOPPER OXIDE	1317-39-1	332.50 g/kg	21

Product-type 21 : Antifouling products.

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

WGK 3 : Extremely 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.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H350	May cause cancer .
H373	May cause damage to organs through prolonged or repeated exposure .
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.
EUH066	Repeated exposure may cause skin dryness or cracking.

Abbreviations and acronyms :

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.

ATE : Acute Toxicity Estimate

BW : Body Weight

DNEL : Derived No-Effect Level

PNEC : Predicted No-Effect Concentration

CMR: Carcinogenic, mutagenic or reprotoxic.

UFI : Unique formulation identifier.

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

VLRI : Indicative limit value

VLRC : Indicative constraint 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 : Wassergefahrdungsklasse (Water Hazard Class).
GHS02 : Flame
GHS05 : Corrosion
GHS07 : Exclamation mark
GHS09 : Environment
PBT: Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.