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WATER- AND OIL REPELLENT IMPREGNATING PRODUCT FOR PLASTIC/WOOD PROFILES WITH UV_BLOCKER		CARE 1046

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

Trade name: CARE 1046

Use of the substance/preparation: colorless water based impregnating product for plastic/wood profiles with UV-blocker.

Company: Cormitec bvba
Lageweg 60
8930 Menen
Belgium

Emergency telephone number: +32.(0)9.253 00 87

2 Composition/information on ingredients

Chemical characterisation: preparation of a water based emulsion with following ingredients.

composition	CAS-nbr.	EG-nbr.	Symbol	R-phrases	Concentration
Isopropanol	67-63-0	200-661-7	F, Xi	R11, R36, R67	<5 %
Butylglycol	111-76-2	203-905-0	Xn, Xi	R20/21/22, R36/38	<5 %
Fluorpolymers	-	-			<10 %
2-octyl-2H- isothiazool-3-on	26530-20-1	247-761-7	T, C, N	R22, R23/24, R34, R43, R50/53	<0,08 %
carbendazim	10605-21-7	234-232-0	T, N, Mut.Cat. 2, Repr. Cat. 2	R46,R50/53, R60, R61	<0,05 %
Benzenesulfonic acid, 4-C10-13- sec-alkylderivates	85536-14-7	287-494-3	C	R22, R34	<0,07 %
Mixture of thiazolen	55965-84-9	-	T, C, N	R23/24/25, R34, R43, R50/53	<0,003 %
Zinc oxide	1314-13-2	215-222-5	N	R50/53	<0,6 %
Water	007732-18-5	231-791-2			Tot 100 %



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Hazardous components:	2-octyl-2H-isothiazool-3-on Zinc oxide
Chemical description:	Mixture of thiazoles stabilized clear transparent micro-emulsion in water.
CAS nbrs:	see above
Hazardous impurities:	n.a.

3 Hazards identification

Hazardous components:	<p>in the preparation there must be taken into account that the used concentration is hazardous for the health. Classification Xi, irritant. For this evaluation the concentration limits of ESIS (European Chemical Substances Information System) have been brought in consideration.</p> <p>For 2-octyl-2H-isothiazool-3-on: 0,05 % ≤ C ≤ 0,25 % Xi; R43</p> <p>For the mixture of thiazoles, CAS nbr 55965-84-9: 0,0015 % ≤ C ≤ 0,06% Xi; R43</p> <p>Isopropanol and Butylglycol in concentrates as used the solution is not hazardous.</p> <p>Benzenesulfonic acid, 4-C10-13-sec-alkylderivates for concentrates, 2<Ph admixture <12,5 the solution is not hazardous.</p> <p>Carbendazim; based on the limits for products with R-phrases R50 and R50/53 and the LC50 for fish, the EC for daphnia and the IC for algae, according 2006/8/EC, for concentrates lower than 0,25 %, the solution is not hazardous.</p> <p>Zinc oxide is hazardous for the environment and has to be classified at concentrations higher than 0,25 %, symbol N en R-phrases R50/53.</p>
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Risk phrases:

R43: May cause sensitisation by skin contact
 R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Health hazards:

contact irritation of eye and skin, harmful when ingested

Physical and chemical hazards –**Specific hazards:**

not known for this concentration

Environmental:

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

4 First aid measures

Note to physician:

No hazard which require special First aid measure

First aid:**Inhalation:**

There is no danger to inhale the product till 30°C. Respiratory equipment required during spraying.

Skin contact:

Wash with soap and plenty of water.
 Consult a doctor in the event of a skin reaction.
 Change badly soiled or soaked clothing

Eye contact:

Remove contact lenses. Immediately wash with plenty of water during several minutes and seek medical advice.

If swallowed:

Rinse mouth, drink lots of water. Contact a physician and show this Safety Data



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Sheet.

DO NOT induce the patient to vomit

Symptoms and effects:

typical symptoms and effects are not known.

Note to physician:

No hazard which require special first aid measures. When large volumes are swallowed, the urine acetone test can be useful.

5 Fire fighting measures

This product is non flammable.

Extinguishing media:

CO₂, foam, dry powder; for larger fires, water spray should be used.

Hazardous combusting products:

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

Further information:

Do not allow contaminated extinguishing water to enter the soil, ground water or surface waters.

Dispose contaminated extinguishing water in accordance with applicable international, national and local laws, ordinances and statutes.

6 Accidental release measures

Personal precautions:

Wear protective equipment (see Chapter 8)

Environmental precautions

Do not allow to enter the soil, ground water or surface waters.

Methods of cleaning up:

On the ground:

Remove mechanically; cover the remainder with wet, absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand).



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On water:	formation of a suspension in water, no special requirements.
Neutralization:	n/a
Disposal:	For further disposal measures see Chapter 13.

7 Handling and storage

Handling:	When handling observe the usual precautionary measures for chemicals.
Safe handling advice:	
Unusual fire and explosion hazards	Stir and/or shake well before use. No special requirements.
Storage:	polypropylene, polyethylene and fluoropolymers.
Technical measures:	Store at temperature 5 – 40°C.
Safe storage:	Keep drum tightly closed. Store in a dry area.
To avoid storage conditions:	Avoid frost.
Materials to avoid:	do not store in aluminum, copper, steel, galvanized steel packaging.
Relevant legislation:	No specific recommendations.

8 Exposure controls/personal protection

Protection of workers: indicative Occupational Exposure Limit Values

Isopropanol

CAS nbr. 67-63-0

Control parameters 3 mg/m³ Time Weighted Average (TWA); (OEL(BE))

Butylglycol

CAS nbr 111-76-2

Control parameters 98 mg/m³ Limit Value Belgium (2002)

2-octyl-2H-isothiazool-3-on



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CAS nbr. 26530-20-1

Control parameters 0,05 mg/m³ AGW, base TRGS 900

Mixture of thiazoles

CAS nbr: 55965-84-9

Control parameters 0,2 mg/ m³ MAK-value

Zinc oxide

CAS nbr: 1314-13-2

Control parameters 5,0 mg/m³ MAK- value

Personal protection:

Respiratory:

Respiratory equipment required during spraying.

Hands:

Wear rubber or PVC gloves

Eyes:

Wear eye/face protection.

Skin:

Wear suitable protective clothing.

Hygienic precautions:

Do not eat, drink or smoke during use of the product.

Wash hands before breaks and at end of work.

Use greasy soap and skin crème to protect the skin.

Keep working clothes separate.

Change badly soiled or soaked clothing.

Environmental precautions:

Do not allow to enter the soil, ground water or surface waters.

See chapter 12.

9 Physical and chemical properties

Appearance:

liquid

Color:

colorless, slightly yellow

Odor:

weak odour

pH:

neutral, 6,5 – 7,5

Freezing point (°C):

-3° C

Stability:

3 °C tot 40 °C

Application temperature:

15° C tot 35 °C

Melting point (°C):

-3° C



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Boiling point (°C):	100 °C
Decomposition temperature (°C):	n/a
Specific gravity (Kg/dm³):	1
Relative density against water:	0,994
Bulk density (Kg/m³):	n/a
Vapour pressure (kPa):	cf. Water
Solubility in water (g/ 100 ml):	water based emulsion
Flash point (°C):	49 °C
Auto flammability (°C):	n/a
Explosion limits %	n/a
- lower (°C):	n/a
- upper (°C):	n/a
Evaporation rate:	cf. Water
Oxidizing properties:	cf. Water
Specific conductivity (S/m):	cf. Water

10 Stability and reactivity

Stability:	Stable under normal conditions
Hazardous reactions:	not known
Conditions to avoid:	Always close container tightly after removal of product. Avoid frost.
Materials to avoid:	materials which corrodes with water.
Hazardous decomposition:	Carbon monoxide, carbon dioxide (CO ₂).

11 Toxicological information

Acute oral toxicity:	LD50 rat: >4000 mg/kg ingestion of large amount of product can cause stomach ache, diarrhoea, sickness. Method: calculation.
Skin irritation:	irritating at long term exposure.
Eye irritation:	irritating.
Inhalation:	not irritating with normal use and temperature.
Carcinogenic:	None of the products are listed as carcinogenic.



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12 Ecological information

Elimination information (persistence and degradability)

Behavior in environmental compartments

Ecotoxicity effects

Isopropanol, CAS nbr: 67-63-0 and Butylglycol, CAS nbr: 111-76-2 are volatile organic substances in accordance with EC Directives 1999/13/EG and are completely water soluble. Low water polluting product.

Care 1000 is good biodegradable and water soluble. No expected bioaccumulation at these concentrations.

Concentrates: isopropanol LC50 (24h) daphnia: >1000 ppm; butylglycol LC50 (24h) daphnia: >100 ppm.

Zinc oxide: carp LD0 (52 h) 228-262 mg/l; toad, skippers EC50 (48 h) 3,2 mg/l

13 Disposal considerations

Disposal of residue/unused products:

Disposal of residue/unused products:

Dispose in accordance with applicable international, national and local laws, ordinances and statutes.

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

Contaminated packaging:

After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until 'drip-dry'), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry.

Containers must be recycled in compliance with national legislation and environmental regulations.

Waste code number:

The waste code number has to be determined in accordance with the European waste code list of 2000/532/EC



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in consultation with the waste processor/
manufacturer/ government.

14 Transport information

Transport information

ADR

Hazard Class 9
 Packing Group: III
 UN-nbr: 3082
 ADR/RID-label 9
 Proper Shipping Name: environmentally hazardous substance, liquid N.O.S. (zinc oxide)

IMGD

Hazard Class 9
 Packing Group: III
 UN-nbr: 3082
 EMS F-A F-S
 Proper Shipping Name: environmentally hazardous substance, liquid N.O.S. (zinc oxide)
 Marine pollutant: no

IATA-DGR

Hazard Class 9
 Packing Group: III
 UN-nbr: 3082
 Proper Shipping Name: environmentally hazardous substance, liquid N.O.S. (zinc oxide)

15 Regulatory information

Labelling is required for this material by EG- Directives, 1999/45/EG

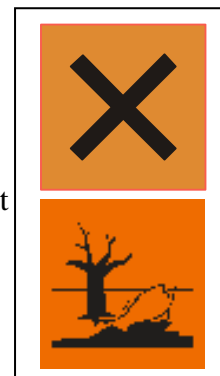
Trade name:

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Symbols:

Xi: irritant

N: dangerous for the environment





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R-phrases:

R43: May cause sensitisation by skin contact

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

S-phrases:

S37/39: Wear suitable gloves and eye/face protection

S60: This material and its container must be disposed of as hazardous waste

S61: Avoid release to the environment. Refer to special instructions/safety data sheet

Base of the classification:

see section 3

EG-Annex N:

n/a

16 Other information

R- phrases of section 2:

R11	Highly flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed
R34	Causes burns
R36/38	Irritating to eyes and skin
R43	May cause sensitisation by skin contact
R46	May cause heritable genetic damage
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R60	May impair fertility
R61	May cause harm to the unborn child
R67	Vapours may cause drowsiness and dizziness

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Writer:

Didier Desschans

Revised parts:

changes with reference to previous versions are marked with "#".

Information sources:

Original VIB and specifications from manufacturers.

Further information

This version replaces all previous versions.

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