

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

PT Oil Refresher

Product no.

10

REACH registration number

Not applicable

Other means of identification

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

Relevant identified uses of the substance or mixture

Treatment of wood

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

NOWOCOAT INDUSTRIAL A/S

Gl. Donsvej 6

6000 Kolding

tlf: +45 75 50 11 11

mail@nowocoat.dk

Contact person

Joen Reinert

E-mail

joen@nowocoat.dk

SDS date

05-03-2013

SDS Version

1.0

1.4. Emergency telephone number

Use your national or local emergency number

See section 4 "First aid measures"

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This product is not classified as dangerous.

See full text of H/R-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)

-

Hazard statement(s)

-

Identity of the substances primarily responsible for the major health hazards

Safety statement(s)	General	-
	Prevention	-
	Response	-
	Storage	-
	Disposal	-

2.3. Other hazards

Additional labelling

Safety data sheet available on request.

Additional warnings

-
VOC
-

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances

NAME:	water
IDENTIFICATION NOS.:	CAS-no: 7732-18-5 EC-no: -
CONTENT:	60-80%
DSD CLASSIFICATION:	-
CLP CLASSIFICATION:	-
NAME:	bronopol
IDENTIFICATION NOS.:	CAS-no: 52-51-7 EC-no: 200-143-0 Index-no: 603-085-00-8
CONTENT:	<0.01%
DSD CLASSIFICATION:	Xn; R21/22 Xi; R37/38-41 N; R50
CLP CLASSIFICATION:	Acute tox. 4, Skin Irrit. 2, Eye Dam. 1, STOT SE 3, Aquatic Acute 1 H302, H312, H315, H318, H335, H400 (M = 10)
NAME:	Polypropylene glycol
IDENTIFICATION NOS.:	CAS-no: 25322-69-4
CONTENT:	<0.01%
DSD CLASSIFICATION:	Xn;R22
CLP CLASSIFICATION:	Acute Tox. 4 H302
NAME:	5-chloro-2-methyl-2H-isothiazol-3-one
IDENTIFICATION NOS.:	CAS-no: 26172-55-4 EC-no: 247-500-7
CONTENT:	<0.001%
DSD CLASSIFICATION:	T; R23/24/25 C; R34 R43 N; R50-53
CLP CLASSIFICATION:	Acute tox. 3, Skin Corr. 1B, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1 H301, H311, H314, H317, H331, H400, H410
NAME:	2-methyl-2H-isothiazol-3-one
IDENTIFICATION NOS.:	CAS-no: 2682-20-4 EC-no: 220-239-6
CONTENT:	<0.001%
DSD CLASSIFICATION:	
CLP CLASSIFICATION:	NA

(*) See full text of H/R-phrases in chapter 16. Occupational limits are listed in section 8, if these are available.

Other informations

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

Inhalation

Get the person into fresh air and stay with them.

Skin contact

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. If irritation continues, contact a doctor.

Ingestion

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

Burns

Rinse with water until the pain stops and continue for 30 minutes.

4.2. Most important symptoms and effects, both acute and delayed

Sensitivity effects: This product contains substances which can give an allergic reaction on contact with skin. The allergic reaction will typically set in 12-72 hours after exposure as the substance penetrates the skin and reacts with proteins in the outer skin. The body's immune system sees the chemically changed protein as a foreign body and will try to destroy it.

4.3. Indication of any immediate medical attention and special treatment needed

No special

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

No special

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

6.4. Reference to other sections

See section on "Disposal considerations" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original.

Storage temperature

NA

7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

No data available

DNEL / PNEC

DNEL (bronopol): 0,204 mg/kg - Exposure: Dermal - Duration: long term - systemic effect - Remarks: Workers
DNEL (bronopol): 1,789 mg/m³ - Exposure: Inhalation - Duration: long term - systemic effect - Remarks: Workers
DNEL (bronopol): 0,102 mg/kg - Exposure: Dermal - Duration: long term - systemic effect - Remarks: General population
DNEL (bronopol): 0,444 mg/kg - Exposure: Inhalation - Duration: long term - systemic effect - Remarks: General population
DNEL (Polypropylene glycol): 13,9 mg/kg - Exposure: Dermal - Duration: Long term - systemic effect - Remarks: Workers
DNEL (Polypropylene glycol): 98 mg/m³ - Exposure: Inhalation - Duration: long term - systemic effect - Remarks: Workers
DNEL (Polypropylene glycol): 8,3 mg/kg - Exposure: Dermal - Duration: long term - systemic effect - Remarks: General population
DNEL (Polypropylene glycol): 29 mg/kg - Exposure: Inhalation - Duration: long term - systemic effect - Remarks: General population
DNEL (Polypropylene glycol): 8,3 mg/kg - Exposure: Oral - Duration: long term - systemic effect - Remarks: General population

According to EC-Regulation 1907/2006 (REACH)

PNEC (bronopol): 0,0016 mg/l - Exposure: Water - Duration: Single - Remarks: Fresh water
PNEC (bronopol): 0,00016 mg/l - Exposure: Water - Duration: Single - Remarks: Marine water
PNEC (bronopol): 0,016 mg/l - Exposure: Water - Duration: Continuous - Remarks: Intermittent releases
PNEC (bronopol): 0,00232 mg/kg - Exposure: Soil - Duration: Single
PNEC (Polypropylene glycol): 0,2 mg/l - Exposure: Water - Duration: Single - Remarks: Fresh water
PNEC (Polypropylene glycol): 0,02 mg/l - Exposure: Water - Duration: Single - Remarks: Marine water
PNEC (Polypropylene glycol): 1,06 mg/l - Exposure: Water - Duration: Continuous - Remarks: Intermittent releases
PNEC (Polypropylene glycol): 0,0306 mg/kg - Exposure: Soil - Duration: Single

8.2. Exposure controls

No control is necessary if the product is used in a normal way.

General recommendations

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom.

Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

Exposure limits

There are no maximum exposure limits for the substances contained in this product.

Appropriate technical measures

Take ordinary precautions when using the product. Avoid inhalation of gas or dust.

Hygiene measures

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment



Generally

Only CE-marked personal protection equipment should be used.

Respiratory Equipment

No specific requirements.

Skin protection

No specific requirements.

Hand protection

Recommended: Nitrile rubber. . Breakthrough time: See the manufacturer's instructions

Eye protection

No specific requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Colour	Odour	pH	Viscosity	Density (g/cm ³)
Liquid	White	Characteristic	7	-	-

Phase changes

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	-	-

Data on fire and explosion hazards

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
-	-	-

Explosion limits (Vol %)	Oxidizing properties
-	-

Solubility

Solubility in water	n-octanol/water coefficient
Soluble	-

9.2. Other information

Solubility in fat	Additional information
-	N/A

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section on "Handling and storage".

10.3. Possibility of hazardous reactions

No special

10.4. Conditions to avoid

Do not expose to heat (e.g. sunlight), because it can lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidising agents, and strong catabolic agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Substance	Species	Test	Route of exposure	Result
bronopol	Rat	LD50	Oral	> 5000 mg/kg
bronopol	Rabbit	LD50	Dermal	> 10000 mg/kg
Polypropylene glycol	Rat	LD50	Oral	500 mg/kg
Polypropylene glycol	Rabbit	LD50	Dermal	3000 mg/kg
5-chloro-2-methyl-2H-isothiazol...	Rat	LD50	Oral	1070 mg/kg
5-chloro-2-methyl-2H-isothiazol...	Rabbit	LD50	Dermal	> 5000 mg/kg
2-methyl-2H-isothiazol-3-one	Rat	LD50	Oral	53 mg/kg

Long term effects

Sensitivity effects: This product contains substances which can give an allergic reaction on contact with skin. The allergic reaction will typically set in 12-72 hours after exposure as the substance penetrates the skin and reacts with proteins in the outer skin. The body's immune system sees the chemically changed protein as a foreign body and will try to destroy it.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Species	Test	Test duration	Result
bronopol	Fish	LC50	96 h	9,1 mg/l
bronopol	Daphnia	EC50	48 h	1,6 mg/l
bronopol	Algae	EC50	72	5,9 mg/l
Polypropylene glycol	Fish	LC50	96 h	>100 mg/l
Polypropylene glycol	Daphnia	EC50	48 h	105,8 mg/l
Polypropylene glycol	Algae	EC50	72 h	>100 mg/l
5-chloro-2-methyl-2H-isothiazol...	Fish	LC50	96 h	0,13 mg/l
5-chloro-2-methyl-2H-isothiazol...	Daphnia	EC50	48	0,12 mg/l
5-chloro-2-methyl-2H-isothiazol...	Algae	EC50	72 h	0,11 mg/l
2-methyl-2H-isothiazol-3-one	Fish	LC50	96 h	0,3 mg/l
2-methyl-2H-isothiazol-3-one	Daphnia	EC50	48 h	0,18 mg/l
2-methyl-2H-isothiazol-3-one	Algae	EC50	72 h	0,05 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
bronopol	Yes	No data available	No data available

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
bronopol	No	1,65	No data available
Polypropylene glycol	No	-0,68	No data available
2-methyl-2H-isothiazol-3-one	No	No data available	No data available

12.4. Mobility in soil

bronopol: Log Koc= 1,385035, Calculated from LogPow (High mobility potential.). Polypropylene glycol: Log Koc= -0,460092, Calculated from LogPow (High mobility potential.).

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

This product contains ecotoxic substances which can have damaging effects on water-organisms. This product contains substances which can cause undesirable long-term effects in the water environment, due to its poor biodegradability.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

This product is not covered by the regulations on dangerous waste.

Waste

EWC code

-

Specific labelling

-

Contaminated packing

No specific requirements.

SECTION 14: Transport information

Not listed as dangerous goods under ADR and IMDG regulations.

14.1 – 14.4

ADR/RID	14.1. UN number	14.2. UN proper shipping name	14.3. Transport hazard class(es)	14.4. Packing group	Notes		
IMDG	UN-no.	Proper Shipping Name	Class	PG*	EmS	MP**	Hazardous constituent

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application

-

Demands for specific education

-

▼ Additional information

-

15.2. Chemical safety assessment

No

SECTION 16: Other information'

Sources

EC regulation 1907/2006 (REACH)

Directive 2000/532/EC

EC Regulation 1272/2008 (CLP)

Full text of H/R-phrases as mentioned in section 3

According to EC-Regulation 1907/2006 (REACH)

R22 - Harmful if swallowed.
R34 - Causes burns.
R41 - Risk of serious damage to eyes.
R43 - May cause sensitisation by skin contact.
R50 - Very toxic to aquatic organisms.
R53 - May cause long-term adverse effects in the aquatic environment.
R21/22 - Harmful in contact with skin and if swallowed.
R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.
R37/38 - Irritating to respiratory system and skin.
H301 - Toxic if swallowed.
H302 - Harmful if swallowed.
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.
H331 - Toxic if inhaled.
H335 - May cause respiratory irritation.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

Other symbols mentioned in section 2

-

Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

The safety data sheet is validated by

Joen Reinert

**Date of last essential change
(First cipher in SDS version)**

28-02-2013

**Date of last minor change
(Last cipher in SDS version)**

05-03-2013

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