

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

PT Pro-Office Laquer

Product no.

26

REACH registration number

Not applicable

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

Relevant identified uses of the substance or mixture

Varnish for wooden floors

Uses advised against

-

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 7550 1111

mail@nowocoat.dk

Contact person

Annette Søgaard

E-mail

mail@nowocoat.dk

SDS date

21-01-2016

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-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)

-

Signal word

-

Hazard statement(s)

-

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

Identity of the substances primarily responsible for the major health hazards

-

2.3. Other hazards

This product contains an organic solvent. Repeated exposure to organic solvents can result in damage to the nervous system and inner organs, such as the liver and kidneys.

Additional labelling

Safety data sheet available on request. (EUH210)

Additional warnings

-

VOC

VOC-MAX: 70 g/l, MAXIMUM VOC CONTENT (A (WB)): 130 g/l.

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME:	(2-methoxymethylethoxy)propanol
IDENTIFICATION NOS.:	CAS-no: 34590-94-8 EC-no: 252-104-2
CONTENT:	3-5%
CLP CLASSIFICATION:	NA
NOTE:	S

NAME:	silicon dioxide
IDENTIFICATION NOS.:	CAS-no: 7631-86-9 EC-no: 231-545-4
CONTENT:	1-3%
CLP CLASSIFICATION:	NA

NAME:	2-(2-Ethoxyethoxy)ethanol
IDENTIFICATION NOS.:	CAS-no: 111-90-0 EC-no: 203-919-7
CONTENT:	1-3%
CLP CLASSIFICATION:	NA
NOTE:	S

(*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.
S = Organic solvent

Other informations

ATEmix(inhale, vapour) > 20
ATEmix(oral) > 2000

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 injured person into fresh air. Make sure there is always someone with the injured person. If unconscious, roll the injured person onto side with the top leg bent at both knee and hip. Call an ambulance.

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

Not applicable.

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

Neurotoxic effect: Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

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

No special.

Information to medic

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

If the product is exposed to high temperatures, as in the case of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in thick black smoke. Exposure to catabolic products can damage your health. Fire fighters should use proper protection gear. Closed containers, which are exposed to fire, should be cooled with water. Do not let fire-extinguishing water run into sewers and other water courses.

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

No data available.

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

(2-methoxymethylethoxy)propanol (EH40, 2005)

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 308 mg/m³

Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

Comments: Sk (Sk = Can be absorbed through skin.)

DNEL / PNEC

DNEL (silicon dioxide): 4 mg/m³ - Exposure: Inhalation - Duration: Long term – Systemic effects - Workers

DNEL (2-(2-Ethoxyethoxy)ethanol): 83 mg/kg - Exposure: Dermal - Duration: Long term – Systemic effects - Workers

DNEL (2-(2-Ethoxyethoxy)ethanol): 61 mg/m³ - Exposure: Inhalation - Duration: Long term – Systemic effects - Workers

DNEL (2-(2-Ethoxyethoxy)ethanol): 30 mg/m³ - Exposure: Inhalation - Duration: Long term – Local effects - Workers

DNEL (2-(2-Ethoxyethoxy)ethanol): 25 mg/kg - Exposure: Dermal - Duration: Long term – Systemic effects - General population

DNEL (2-(2-Ethoxyethoxy)ethanol): 37 mg/m³ - Exposure: Inhalation - Duration: Long term – Systemic effects - General population

DNEL (2-(2-Ethoxyethoxy)ethanol): 50 mg/kg - Exposure: Oral - Duration: Long term – Systemic effects - General population

DNEL (2-(2-Ethoxyethoxy)ethanol): 18 mg/m³ - Exposure: Inhalation - Duration: Long term – Local effects - General population

DNEL ((2-methoxymethylethoxy)propanol): 283 mg/kg - Exposure: Dermal - Duration: Long term – Systemic effects - Workers
 DNEL ((2-methoxymethylethoxy)propanol): 308 mg/m³ - Exposure: Inhalation - Duration: Long term – Systemic effects - Workers
 DNEL ((2-methoxymethylethoxy)propanol): 121 mg/kg - Exposure: Dermal - Duration: Long term – Systemic effects - General population
 DNEL ((2-methoxymethylethoxy)propanol): 37,2 mg/m³ - Exposure: Inhalation - Duration: Long term – Systemic effects - General population
 DNEL ((2-methoxymethylethoxy)propanol): 36 mg/kg - Exposure: Oral - Duration: Long term – Systemic effects - General population

PNEC (2-(2-Ethoxyethoxy)ethanol): 1.98 mg/L - Exposure: Freshwater - Duration: Single
 PNEC (2-(2-Ethoxyethoxy)ethanol): 0.198 mg/L - Exposure: Marine water - Duration: Single
 PNEC (2-(2-Ethoxyethoxy)ethanol): 19.8 mg/L - Exposure: Intermittent release - Duration: Continuous
 PNEC (2-(2-Ethoxyethoxy)ethanol): 0.34 mg/kg - Exposure: Soil - Duration: Single
 PNEC ((2-methoxymethylethoxy)propanol): 19 mg/l - Exposure: Freshwater - Duration: Single
 PNEC ((2-methoxymethylethoxy)propanol): 1,9 mg/l - Exposure: Marine water - Duration: Single
 PNEC ((2-methoxymethylethoxy)propanol): 190 mg/l - Exposure: Intermittent release - Duration: Continuous
 PNEC ((2-methoxymethylethoxy)propanol): 2,74 mg/kg - Exposure: Soil - Duration: Single

8.2. Exposure controls

Compliance with the stated exposure limits values should be checked on a regular basis.

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

Trade users are covered by the rules of the working environment legislation on maximum concentrations for exposure. See work hygiene threshold values below.

Appropriate technical measures

Airborne gas and dust concentrations must be kept as low as possible and below the current threshold values (see below). Use for example an exhaust system if the normal air flow in the work room is not sufficient. Make sure that eyewash and emergency showers are clearly marked.

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

Use only CE marked protective equipment.

Respiratory Equipment

No specific requirements.

Skin protection

No specific requirements.

Hand protection

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

Eye protection

Use face shield. Use safety glasses with a side shield as an alternative.

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	Clear	Faint	-	-	1,1
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 oxidizing agents, and strong reductants 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
2-(2-Ethoxyethoxy)ethanol	Mouse	LD50	Oral	6031 mg/kg
2-(2-Ethoxyethoxy)ethanol	Rabbit	LD50	Dermal	9143 mg/kg bw
silicon dioxide	Rat	LD50	Inhalation	> 0.69 mg/L air
silicon dioxide	Rat	LD50	Oral	> 5000 mg/kg
silicon dioxide	Rabbit	LD50	Dermal	> 2000 mg/kg bw
(2-methoxymethylethoxy)propano...	Rat	LD50	Oral	> 5000 mg/kg
(2-methoxymethylethoxy)propano...	Rabbit	LD50	Dermal	> 9510 mg/kg

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

Neurotoxic effect: Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Species	Test	Test duration	Result
2-(2-Ethoxyethoxy)ethanol	Daphnia	LC50	48 h	1982 mg/L
2-(2-Ethoxyethoxy)ethanol	Fish	LC50	96 h	ca. 6010 mg/L
2-(2-Ethoxyethoxy)ethanol	Algae	EC50	72 h	14861 mg/L
(2-methoxymethylethoxy)propano...	Daphnia	LC50	48 h	> 1000 mg/l
(2-methoxymethylethoxy)propano...	Fish	LC50	96 h	> 1000 mg/l
(2-methoxymethylethoxy)propano...	Algae	EC50	72 h	> 969 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
2-(2-Ethoxyethoxy)ethanol	Yes	CO2 Evolution Test	100 %
(2-methoxymethylethoxy)propano...	Yes	Manometric Respirometry Test	96 %

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BFC
2-(2-Ethoxyethoxy)ethanol	No	-0,43	No data available
silicon dioxide	No	0,53	No data available
(2-methoxymethylethoxy)propano...	No	0,0043	No data available

12.4. Mobility in soil

2-(2-Ethoxyethoxy)ethanol: Log Koc= -0,262117, Calculated from LogPow ().
 silicon dioxide: Log Koc= 0,498107, Calculated from LogPow (High mobility potential.).
 (2-methoxymethylethoxy)propano...: Log Koc= 0,08180517, Calculated from LogPow (High mobility potential.).

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No special.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

Waste

EWC code

08 01 12

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

Tunnel restriction code

IMDG

UN-no.

Proper Shipping Name

Class

PG*

EmS

MP**

Hazardous constituent

▼ IATA/ICAO

UN-no.

Proper Shipping Name

Class

PG*

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

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC.

Demands for specific education

-

Additional information

Safety data sheet available on request. (EUH210)

VOC-MAX: 70 g/l, MAXIMUM VOC CONTENT (A (WB)): 130 g/l.

Sources

EC regulation 1907/2006 (REACH)

Directive 2000/532/EC

EC Regulation 1272/2008 (CLP)

15.2. Chemical safety assessment

No.

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

-

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

Annette

Date of last essential change

(First cipher in SDS version)

-

Date of last minor change

(Last cipher in SDS version)

-