

CLEAR VARNISH

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

1.1 - Product identifier

Trade name/designation CLEAR VARNISH
Chemical name CLEAR FOR METALS
Product-type Mixture
UFI: 5710-706N-F00V-3GGP

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

Relevant identified uses - Coatings and paints, thinners, paint removers

1.3 - Details of the supplier of the safety data sheet

-Duthoo Coating Concepts
Pluim 1
8550 Zwevegem Belgium
Telephone : 0032 56 360774 Fax 0032 56 694760
Website www.duthoo.eu
Eddy Crepeele: 0032 56 360774/0032 471 410802 eddy@duthoo.eu

1.4 - Emergency telephone number

- Poison Centre. Tel: (+32) 070 245 245 or (+32) 02 264 96 30 Belgium

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Flam. Liq. 3	Flammable liquid and vapour. - Category 3
Skin Irrit. 2	Irritation, Category 2
Eye Irrit. 2	Eye irritation - Category 2
STOT SE 3 (H335)	STOT-single exposure - Category 3 (H335)
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)
STOT RE 2	STOT-repeated exposure - Category 2

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word : Warning

Hazard pictograms



Hazard statements

H226	Flammable liquid and vapour
H315	Causes skin irritation
H319	Causes serious eye irritation

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H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H373	May cause damage to organs kidneys/liver through prolonged or repeated exposure
Precautionary statements	

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P312	Call a doctor if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
EUH-phrases	: None

2.3 - Other hazards

PBT-substance. - This substance meets the PBT criteria of REACH, Annex XIII.

vPvB-substance. - This substance meets the vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
xylene	CAS No. : 1330-20-7 Index No. : 601-022-00-9 EC No. : 215-535-7	25 - 50	Acute Tox. 4 Dermal - H312 Acute Tox. 4 Inhalation - H332 Flam. Liq. 3 - H226 Skin Irrit. 2 - H315	Not applicable
n-butyl acetate	CAS No. : 123-86-4 Index No. : 607-025-00-1 EC No. : 204-658-1	25 - 50	Flam. Liq. 3 - H226 STOT SE 3 (H336) - H336	Not applicable
1-methoxy-2-propanol, monopropylene glycol methyl ether	CAS No. : 107-98-2 Index No. : 603-064-00-3 EC No. : 203-539-1	2,5 - 10	Flam. Liq. 3 - H226 STOT SE 3 (H336) - H336	Not applicable
2-methoxy-1-methylethyl acetate	CAS No. : 108-65-6 Index No. : 607-195-00-7 EC No. : 203-603-9	2,5 - 10	Flam. Liq. 3 - H226	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation - Provide fresh air.

Following skin contact - Remove contaminated, saturated clothing immediately.
- Wash immediately with:Water

After eye contact - In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

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After ingestion - Rinse mouth thoroughly with water.

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

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

- Treat symptomatically. Antidotal dispensation.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder

Unsuitable extinguishing media - Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - Hazardous combustion products

5.3 - Advice for firefighters

- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
- Move undamaged containers from immediate hazard area if it can be done safely.
- Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Provide adequate ventilation.
- Remove all sources of ignition.
- Use personal protection equipment.

For emergency responders

- Wear breathing apparatus if exposed to vapours/dusts/aerosols.
- Wear personal protection equipment (refer to section 8).

6.2 - Environmental precautions

- Do not allow to enter into surface water or drains.
- Ensure waste is collected and contained.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment

- Soak up inert absorbent and dispose as waste requiring special attention.

Methods and material for cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8
- Safe handling: see section 7

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SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- Avoid:Eye contact
- Avoid:Skin contact
- Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
- Vapours can form explosive mixtures with air.

Advices on general occupational hygiene

- Avoid contact with skin, eyes and clothes.
- When using do not eat, drink, smoke, sniff.
- Work in well-ventilated zones or use proper respiratory protection.

7.2 - Conditions for safe storage, including any incompatibilities

- Ensure adequate ventilation of the storage area.
- Protect against:Heat
- Storage class : Flammable liquids

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

DNEL / PNEC

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Type	Value	User	Effect
DNEL short-term oral (acute)	442 mg/kg	Workers	Local
DNEL long-term oral (repeated)	275 mg/kg bw/day	Workers	Systemic
DNEL acute dermal, short-term	50 mg/kg	Workers	Local
DNEL long-term dermal	100 mg/kg bw/day	Workers	Systemic

8.2 - Exposure controls

Appropriate engineering controls

- If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Individual protection measures, such as personal protective equipment

- Protective gloves

- Suitable eye protection:Eye glasses with side protection

- Suitable respiratory protection apparatus:Respiratory protection helmet/hood



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- Disposable gloves
- rubber gloves.
- EN ISO 374

Environmental exposure controls

- Further information: see exposure scenarios attached to this safety data sheet.
- Further information: see technical data sheet.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	<u>Liquid</u>	<u>Appearance</u>	<u>Liquid</u>
<u>Colour</u>	transparent	<u>Odour</u>	rotten
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		> 100 °C	
Flash point		24 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		< 1000 hPa	
Vapour density		No data available	
Relative density		No data available	
Density		0,9 g/cm3	
Solubility (Water)		No data available	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	

Particle characteristics

Particle size	No data available
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9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

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- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- In case of warming: Danger of bursting container.

- In case of warming: Ignition hazard

10.5 - Incompatible materials

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

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

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	> 5660 mg/kg Data apply to the component with the highest toxicological risk.
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	> 2000 mg/kg Data apply to the component with the highest toxicological risk.
LC50 inhalation (rat)	> 35,7 ppmV Data apply to the component with the highest toxicological risk.
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- Harmful by inhalation.
- Very toxic if swallowed.

Skin corrosion/irritation - Irritation, Category 2 - Causes skin irritation

- Irritating to skin.

Serious eye damage/eye irritation - Eye irritation - Category 2 - Causes serious eye irritation

- Causes serious eye irritation.

Respiratory or skin sensitisation - Not classified

- May cause sensitization by skin contact.

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	- May cause sensitization by inhalation.
<u>Germ cell mutagenicity</u>	- Not classified
	- No information available.
<u>Carcinogenicity</u>	- Not classified
	- No information available.
<u>Reproductive toxicity</u>	- Not classified
	- No information available.
<u>STOT-single exposure</u>	- STOT-single exposure - Category 3 (H335) - May cause respiratory irritation - STOT-single exposure - Category 3 (H336) - May cause drowsiness or dizziness
<u>STOT-repeated exposure</u>	- STOT-repeated exposure - Category 2 - May cause damage to organs kidneys/liver through prolonged or repeated exposure
<u>Aspiration hazard</u>	- Not classified

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No information available.

12.4 - Mobility in soil

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- No information available.

12.5 - Results of PBT and vPvB assessment

- This substance meets the PBT criteria of REACH, Annex XIII.

- This substance meets the vPvB criteria of REACH, Annex XIII.

12.6 - Endocrine disrupting properties

- No further relevant information available.

12.7 - Other adverse effects

- Ensure all waste water is collected and treated via a waste water treatment plant.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

Waste treatment methods

- Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Special precautions for waste treatment

- Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

14.1 - UN number or ID number

<u>UN number (ADR)</u>	:	UN1263
<u>UN number (RID)</u>	:	UN1263
<u>UN number (ADN)</u>	:	UN1263
<u>UN number (IMDG)</u>	:	UN1263
<u>UN number (IATA)</u>	:	UN1263

14.2 - UN proper shipping name

<u>UN proper shipping name (ADR)</u>	:	PAINT or PAINT RELATED MATERIAL (xylene, n-butyl acetate, 1-methoxy-2-propanol, monopropylene glycol methyl ether, 2-methoxy-1-methylethyl acetate)
<u>UN proper shipping name (RID)</u>	:	PAINT or PAINT RELATED MATERIAL (xylene, n-butyl acetate, 1-methoxy-2-propanol, monopropylene glycol methyl ether, 2-methoxy-1-methylethyl acetate)
<u>UN proper shipping name (ADN)</u>	:	PAINT or PAINT RELATED MATERIAL (xylene, n-butyl acetate, 1-methoxy-2-propanol, monopropylene glycol methyl ether, 2-methoxy-1-methylethyl acetate)
<u>UN proper shipping name (IMDG)</u>	:	PAINT (xylene, n-butyl acetate, 1-methoxy-2-propanol, monopropylene glycol methyl ether, 2-methoxy-1-methylethyl acetate)
<u>UN proper shipping name (IATA)</u>	:	PAINT RELATED MATERIAL (xylene, n-butyl acetate, 1-methoxy-2-propanol, monopropylene glycol methyl ether, 2-methoxy-1-methylethyl acetate)

14.3 - Transport hazard class(es)

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ADR Transport hazard class(es) : 3

ADR Classification code: : F1

Pictograms



Transport hazard class(es) (RID) : 3

Pictograms



Transport hazard class(es) (ADN) : 3

Pictograms



Transport hazard class(es) (IMDG) : 3

Pictograms



Transport hazard class(es) (IATA) : 3

Pictograms



14.4 - Packing group

Packing group : III

Packing group (RID) : III

Packing group (ADN) : III

Packing group (IMDG) : III

Packing group (IATA) : III

14.5 - Environmental hazards

Environmental hazards : No

Marine pollutant : No

14.6 - Special precautions for user

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ADR

<u>ADR Classification code:</u>	:	F1
<u>ADR Special provisions</u>	:	163+367+650
<u>ADR Limited quantity (LQ)</u>	:	5L
<u>ADR Excepted quantities</u>	:	E1
<u>ADR Packing instructions</u>	:	P001 IBC03 LP01 R001
<u>ADR Special packing provisions</u>	:	PP1
<u>ADR Mixed packing provisions</u>	:	MP19
<u>Instructions for portable tanks and bulk containers</u>	:	T2
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP29
<u>ADR tank code</u>	:	LGBF
<u>ADR tanks special provisions</u>	:	
<u>Vehicle for tank carriage</u>	:	FL
<u>ADR Transport category</u>	:	3
<u>ADR Tunnel restriction code</u>	:	D/E
<u>ADR Special provisions loading, unloading and handling</u>	:	
<u>Special provisions - Packages</u>	:	V12
<u>Special provisions - Bulk</u>	:	
<u>Special provisions - Operation</u>	:	S2
<u>ADR Hazard identification number (Kemler No.)</u>	:	30

RID

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	

ADN

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	

IMDG

<u>Special provisions</u>	:	163 223 367 955
<u>Limited quantity (LQ)</u>	:	5 L
<u>Excepted quantities</u>	:	E1
<u>Packing instructions</u>	:	P001 LP01
<u>Special packing provisions</u>	:	PP1
<u>IBC instruction(s)</u>	:	IBC03
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	T2
<u>Special provisions for portable tanks and bulk containers</u>	:	TP1 TP29
<u>EmS codes</u>	:	F-E, S-E
<u>Stowage and handling</u>	:	Category A
<u>Segregation</u>	:	
<u>Properties and observations</u>	:	Miscibility with water depends upon the composition.

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IATA

PCA - Excepted quantities	:	E1
PCA - Limited Quantity - Packing Instructions	:	Y344
PCA - Limited Quantity - Maximum Net Quantity per Package	:	10L
PCA - Packing Instructions	:	355
PCA - Maximum Net Quantity per Package	:	60L
CAO - Packing Instructions	:	366
CAO - Maximum Net Quantity per Package	:	220L
Special Provisions	:	A3 A72 A192
ERG Code	:	3L

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

Substances REACH candidates	None
Substances Annex XIV	None
Substances Annex XVII	None

VOC content No data available

15.2 - Chemical Safety Assessment

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	25/02/2022		

Texts of the regulatory sentences

Acute Tox. 4 Dermal	Acute toxicity (dermal) - Category 4
Acute Tox. 4 Inhalation	Acute toxicity (inhalative) - Category 4
Eye Irrit. 2	Eye irritation - Category 2
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
H226	Flammable liquid and vapour
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H373	May cause damage to organs kidneys/liver through prolonged or repeated exposure
Skin Irrit. 2	Irritation, Category 2
STOT RE 2	STOT-repeated exposure - Category 2

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STOT SE 3 (H335)	STOT-single exposure - Category 3 (H335)
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

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