

**MULTI-TOP-LAK TRANSPARANT****4003001300****1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Trade name** : MULTI-TOP-LAK TRANSPARANT  
**Product code** : Toplak Transparant Matt, Gloss.  
**Description** : Water-based air drying clearcoat.  
**Type of product** : Paint.  
**Identification of the product** : Liquid.  
**Use** : Clear topcoat with hard-wearing and scratchproof for several applications.  
Domestic.  
Industrial.  
**Company identification** : Bristol Coatings Holland  
Stationsweg 13  
2675 AM Honselersdijk NETHERLANDS  
0031-(0)174-629006  
www.bristolcoatingsholland.nl  
**Emergency phone nr** : 0031-(0)30-2748888 (24 hours, NVIC, only contactable at accidentele poisoning at treating doctor)

**2 HAZARDS IDENTIFICATION**

**Hazard classification** : Not classified as dangerous product.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

**Components** : This product is not hazardous but contains hazardous components.

Substance name	Contents	CAS No	EC No	Annex No	Classification
N-methyl-2-pyrrolidone	: 5 - 10 %	872-50-4	212-828-1	606-021-00-7	Xi; R36/38
2-butoxyethanol	: 1 - 5 %	111-76-2	203-905-0	603-014-00-0	Xn; R20/21/22 Xi; R36/38
2-(2-butoxyethoxy)ethanol	: 1 - 5 %	112-34-5	203-961-6	603-096-00-8	Xi; R36
Triethylamine	: < 1 %	121-44-8	204-469-4	612-004-00-5	F; R11 Xn; R20/21/22 C; R35
1-Methoxy-2-propanol	: < 1 %	107-98-2	203-539-1	603-064-00-3	R10
Alcohols, C16-18, ethoxylated	: < 1 %	68439-49-6	500-212-8	-----	Xn; R22 Xi; R41
Ethanol	: < 0.1 %	64-17-5	200-578-6	603-002-00-5	F; R11
Nonylphenol	: < 0.01 %	68412-54-4	-----	-----	Xn; R22 Xi; R41 N; R51-53

**4 FIRST AID MEASURES****First aid measures**

- **General information** : Allow the victim to rest.  
In case of loss of conscience place the victim in the recovery position.  
Never give anything by mouth to an unconscious person.  
Seek medical attention if ill effect develops.
- **Inhalation** : Assure fresh air breathing.  
Keep victim warm and rested.  
If you feel unwell, seek medical advice (show the label where possible).  
In case of respiratory arrest, administer artificial respiration.
- **Skin contact** : Wash skin with mild soap and water.  
Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- **Eye contact** : Rinse immediately with plenty of water.  
Obtain medical attention if pain, blinking or redness persist.

**MULTI-TOP-LAK TRANSPARANT****4003001300****4 FIRST AID MEASURES (continued)**

- Ingestion : If swallowed, rinse mouth with water (only if the person is conscious).  
Do not induce vomiting.  
If swallowed, seek medical advice immediately and show this container or label.

**5 FIRE-FIGHTING MEASURES**

- Flammable class** : Not flammable.  
**Extinguishing media** : All extinguishing media can be used.  
**Surrounding fires** : Use water spray or fog for cooling exposed containers.  
**Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.

**6 ACCIDENTAL RELEASE MEASURES**

- Personal precautions** : When using, do not eat, drink or smoke.  
**General precautions** : No naked lights. No smoking.  
**Environmental precautions** : Prevent entry to sewers and public waters.  
**Clean up methods** : Clean up any spills as soon as possible, using an absorbent material to collect it.  
Use suitable disposal containers.

**7 HANDLING AND STORAGE**

- Precautions in handling and storage** : Both local exhaust and general room ventilation are usually required.  
Handle in accordance with good industrial hygiene and safety procedures.
- Storage** : Keep out of reach of children.  
Store in dry, well-ventilated area.  
Keep away from sources of ignition.  
Protect from freezing.  
Keep away from food, drink and animal feeding stuffs.  
Close container tightly after use.
- Storage - away from** : Strong acids.  
Strong bases.  
Oxidizer.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION****Personal protection**

- **Respiratory protection** : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.  
Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment.
- **Hand protection** : Not required.
- **Skin protection** : Protective clothing not absolutely necessary.
- **Eye protection** : Chemical goggles or safety glasses.
- **Ingestion** : When using, do not eat, drink or smoke.
- Industrial hygiene** : Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations.
- Occupational Exposure Limits** : 2-butoxyethanol : ILV (EU) - 8 H - [mg/m<sup>3</sup>] : ( 98 Skin. )  
2-butoxyethanol : ILV (EU) - 8 H - [ppm] : ( 20 Skin. )  
2-butoxyethanol : ILV (EU) - 15 min - [mg/m<sup>3</sup>] : ( 246 Skin. )  
2-butoxyethanol : ILV (EU) - 15 min - [ppm] : ( 50 Skin. )

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2-(2-butoxyethoxy)ethanol : ILV (EU) - 8 H - [mg/m<sup>3</sup>] : 67.5  
2-(2-butoxyethoxy)ethanol : ILV (EU) - 15 min - [mg/m<sup>3</sup>] : 101.2  
2-(2-butoxyethoxy)ethanol : ILV (EU) - 8 H - [ppm] : 10  
2-(2-butoxyethoxy)ethanol : ILV (EU) - 15 min - [ppm] : 15  
1-Methoxy-2-propanol : ILV (EU) - 8 H - [mg/m<sup>3</sup>] : 375 ( Skin. )  
1-Methoxy-2-propanol : ILV (EU) - 8 H - [ppm] : 100 ( Skin. )  
1-Methoxy-2-propanol : ILV (EU) - 15 min - [mg/m<sup>3</sup>] : 568 ( Skin. )  
1-Methoxy-2-propanol : ILV (EU) - 15 min - [ppm] : 150 ( Skin. )

**9 PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state at 20 °C** : Liquid.  
**Colour** : Colourless.  
**Odour** : Paint.  
**Density** : 1,04  
**Solubility in water** : Complete.  
**Flash point [°C]** : Not applicable.

**10 STABILITY AND REACTIVITY**

**Stability and reactivity** : Stable under normal conditions.  
**Hazardous decomposition products** : Thermal decomposition generates : Carbon monoxide. Carbon dioxide. Nitrogen oxides.  
When heated to decomposition, emits dangerous fumes.  
**Materials to avoid** : Strong acids.  
Strong bases.  
Oxidizing agent.  
**Conditions to avoid** : Freezing.  
Overheating.

**11 TOXICOLOGICAL INFORMATION**

**On product** : No data available.

**12 ECOLOGICAL INFORMATION**

**Ecological effects information** : No data available.

**13 DISPOSAL CONSIDERATIONS**

**General** : Avoid release to the environment.

**14 TRANSPORT INFORMATION**

**General information** : Not regulated under the criteria of Directive 67/548/EEC.

**15 REGULATORY INFORMATION**

**Symbol(s)** : None.  
**R Phrase(s)** : None.  
**S Phrase(s)** : None.  
**VOC (Volatile organic compounds) g/l** : EU limit value for this product(cat.A/e): 150 g/l (2007) / 130 g/l (2010) This product

**MULTI-TOP-LAK TRANSPARANT****4003001300****15 REGULATORY INFORMATION (continued)**

contains max 130 g/l VOC.

**16 OTHER INFORMATION****Text of R-Phrases in § 3**

: R10 : Flammable.  
R11 : Highly flammable.  
R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.  
R22 : Harmful if swallowed.  
R35 : Causes severe burns.  
R36 : Irritating to eyes.  
R36/38 : Irritating to eyes and skin.  
R41 : Risk of serious damage to eyes.  
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The contents and format of this SDS are in accordance with REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

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