

# Material Safety Data Sheet

according to 91/155/EEC



**Product name :** Eurothane Varnish Brilliant  
**Revision :** 23.06.2006      **Version :** 3.0.0  
**Print date :** 25.07.2006

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## 01. Identification of substance, product and company

### Product name:

Eurothane Varnish Brilliant

### Use of the substance / product

Eurothane Varnish Brilliant is an advanced polyurethane varnish suitable for interior use on floors, furniture, paneling and other woodwork requiring an abrasion, scratch, water and alcohol resistant finish.

### Manufacturer/Supplier

Wijzonol Bouwverven International B.V.

### Street/P.O.Box

Russenweg 14

### Country code/Postal code/Town/City

8041 AL ZWOLLE

### Telephone / Telefax (weekdays 8-5 C.E.T.)

+31 (0)38-4291100 / +31 (0)38-4291149

### Emergency information

No additional information available.

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## 02. Composition/information on ingredients

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548//EEC.

### Hazardous components

NAPHTHA (PETROLEUM), HYDROTREATED HEAVY ; EC-No. : 265-150-3 ; CAS-No. : 64742-48-9

Percentage : 45 - 50 %

Classification : R 10 Xn ; R 65 R 66

NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY ; EC-No. : 265-185-4 ; CAS-No. : 64742-82-1

Percentage : 2,5 - 5 %

Classification : N ; R 51/53 Xn ; R 65 R 67 R 66

2-BUTANONE OXIME ; EC-No. : 202-496-6 ; CAS-No. : 96-29-7

Percentage : < 0,5 %

Classification : Carc. Cat.3 ; R 40 R 43 Xi ; R 41 Xn ; R 21

1,2,4-TRIMETHYLBENZENE ; EC-No. : 202-436-9 ; CAS-No. : 95-63-6

Percentage : < 0,5 %

Classification : R 10 N ; R 51/53 Xn ; R 20 Xi ; R 36/37/38

For the wording of the listed risk phrases refer to section 16.

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## 03. Hazards identification

### Hazard designation according to 91/155/ECC.

Flammable · Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. · Repeated exposure may cause skin dryness or cracking.

Classification : R 10 · R 52/53 · R 66

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## 04. First-aid measures

### General

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

### After inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconsciousness, place in recovery position and seek medical attention.

### After skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognised skin cleaner. Do NOT use solvents or thinners.

### After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.

### After ingestion

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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## 05. Fire-fighting measures

### Suitable extinguishing media

Alcohol resistant foam, CO<sub>2</sub>, powders, water spray.

### Unsuitable extinguishing media

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Waterjet.

**Special risk posed by the substance or by the actual product, its combustion products or gases discharged**

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

**Special protective equipment**

Appropriate breathing apparatus may be required. For fighting fires in buildings and confined spaces, firefighters must use self-contained breathing apparatus and should wear full fire-fighting turn-out gear.

**Additional information**

Cool closed containers exposed to fire with water. Do not allow run-off from the fire fighting to enter drains of waterways.

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**06. Accidental release measures**

**Personal precautions**

Eliminate sources of ignition and ventilate the area. Avoid breathing vapors. Refer to protective measures listed in sections 7 and 8.

**Environmental precautions**

Do not empty into drains. If the product is accidentally released into lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

**Methods for cleaning up/collecting**

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean preferably with a detergent; avoid use of solvents.

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**07. Handling and storage**

**Information for safe handling**

Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapor in air and avoid vapor concentrations higher than the OEL (Occupational Exposure Limit). Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been eliminated. Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type. Product may charge electrostatically: always ground containers when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used. Keep the container tightly closed. Isolate from sources of heat, sparks and open flame. No sparking tools should be used. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates and spray mist arising from the application of this product. Avoid inhalation of dust from sanding.

Smoking, eating and drinking should be prohibited in application area.

For personal protection see Section 8.

Never use pressure to empty: container is not a pressure vessel.

Always keep in containers of same material as the original one.

Comply with the health and safety at work laws.

**Further information about storage conditions**

Storage in accordance with CPR 15-1 or CPR 15-2. Observe label precautions. Store between 0 and 35 degrees C. (32 and 95 degrees F.) in a dry, well ventilated place away from sources of heat and direct sunlight.

Keep away from oxidizing agents, strongly alkaline and strongly acidic materials. No smoking. Prevent unauthorized access.

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Do not allow to enter drains.

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**08. Exposure controls and personal protection**

**Additional information about engineering measures**

Provide adequate ventilation. Where reasonably practical this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations below the OEL (Occupational Exposure Limit), suitable respiratory protection must be worn.

**Components with critical values that require monitoring at the workplace (exposure limits)**

1,2,4-TRIMETHYLBENZENE ; CAS-No. : 95-63-6

Specification : NIOSH REL TWA ( USA )

Value : 25 ppm

Version date : 01.01.2003

**Personal protective equipment**

**Respiratory protection**

If workers are exposed to concentrations above the exposure limit, they must use a NIOSH-approved respirator.

**Hand protection**

Solvent-resistant gloves may be appropriate gloves.

**Eye protection**

Safety glasses or goggles may be appropriate.

**Body protection**

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Personnel should wear anti-static clothing made of natural fiber or of high temperature resistant synthetic fiber.

## 09. Physical and chemical properties

### Relevant safety data

<b>Physical state :</b>			liquid	
<b>Appearance :</b>			homogeneous viscous liquid	
<b>Boiling point / range :</b>	( 1013 hPa )		140 - 200	°C
<b>Boiling point hPa (Fahrenheit) :</b>	( 1013 hPa )		284 - 392	°F
<b>Flashpoint :</b>	ca.		38	°C Closed cup
<b>Flashpoint [Fahrenheit] :</b>	ca.		100,4	°F Closed cup
<b>Ignition temperature :</b>			210 - 260	°C
<b>Ignition temperature [Fahrenheit] :</b>			410 - 500	°F
<b>Lower explosion limit :</b>			0,6	% b.v.
<b>Upper explosion limit :</b>			8	% b.v.
<b>Vapor pressure :</b>	( 50 °C / 122 °F )	<	3	hPa
<b>Specific gravity :</b>	( 20 °C / 68 °F )		0,9 - 0,94	g/cm <sup>3</sup>
<b>Solvent-separation test :</b>	( 20 °C / 68 °F )	<	3	%
<b>Solubility in water :</b>	( 20 °C / 68 °F )	<	0,1	% b.v.
<b>Flow time :</b>	( 20 °C / 68 °F )	>	90	s DIN-cup 4 mm
<b>Viscosity KU :</b>	( 20 °C / 68 °F )		95 - 100	KU

## 10. Stability and reactivity

### Conditions to avoid

Stable under recommended storage and handling conditions (See section 7).

### Materials to avoid

Keep away from oxidizing agents, strongly alkaline and strongly acidic materials to avoid exothermic reactions.

### Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

## 11. Toxicological information

There are no data available on the product itself. The product has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly. See sections 2 and 15 for details.

### Health effects from exposure:

Inhalation: May irritate mucous membranes, produce a narcotic effect, impair reaction time or coordination.

Eye Contact: May cause irritation.

Skin contact: May cause irritation and be absorbed through skin.

Solvents may cause some of the above effects by absorption through the skin. Repeated or prolonged contact with the product may cause defatting of the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

Liquid splashed in the eyes may cause irritation and reversible damage.

## 12. Ecological information

There are no data available on the product itself.

The product should not be allowed to enter drains or waterways.

## 13. Disposal considerations

Do not empty into waters or drains.

## 14. Transport information

### Land transport ADR/RID

#### Classification

**Class :** 3 **Kemlercode :** 30

**Substance number :** 1263 **Classification-Code :** F1

ADR : - (<= 450 l) · Special provisions : 640E · LQ 7 See Section 16.

#### Proper shipping name

PAINT

#### Packaging

**Packaging group :** III

**Label :** 3

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## Maritime transport IMDG/GGVSea

### Classification

**IMDG-Code :** 3      **EmS number :** F-E / S-E  
**UN number :** 1263      **Marine Poll. :** -  
IMDG 2.3.2.5 (<= 30 l) · LQ 5 I

### Proper shipping name

PAINT

### Packaging

**Packaging group :** III  
**Label :** 3

## Air transport ICAO-TI and IATA-DGR

### Classification

**Class :** 3  
**UN number :** 1263

### Proper shipping name

PAINT

### Packaging

**Packaging group :** III  
**Label :** 3

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## 15. Regulatory information

### Classification according to EEC directives

#### R-phrases

10      Flammable  
52/53      Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
66      Repeated exposure may cause skin dryness or cracking.

#### S-phrases

57      Use appropriate container to avoid environmental contamination.  
61      Avoid release to the environment. Refer to special instructions/Safety data sheets.  
35      This material and its container must be disposed of in a safe way  
51      Use only in well-ventilated areas.  
24      Avoid contact with skin

#### Special designation for certain products

99      Contains 2-BUTANONE OXIME ;Cobalt-fatty acids, C6-19 ;. May produce an allergic reaction.

### International regulatory information

U.S. Federal Regulations

Toxic Substances Control Act (TSCA) status: All ingredients are on the TSCA Inventory or excluded from TSCA.

Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (HCS) Class II Combustible liquid. This product is considered a hazardous substance as defined by the OSHA HCS.

Listed Carcinogens:

OSHA - none IARC - none NTP - none.

State Regulations:

Contains ingredients listed under state right-to-know laws: New Jersey Worker and Community Right to Know Act, Massachusetts Hazardous Substances Disclosure by Employers Act, Pennsylvania Worker and Community Right-to-Know Act, Michigan Natural Resources and Environmental Protection Act, Illinois Toxic Substances Disclosure to Employees Act, Minnesota Employee Right-to-Know Act.

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## 16. Other information

### Further information

The details in this material safety data sheet satisfy the U.S. Occupational Safety and Health Administration Hazard Communication Standard and legislation in the Netherlands and the European Union. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this SDS is meant as a description of the safety requirements of our product: it is not to be considered as a guarantee of the products' properties.

### Relevant changes

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02. Hazardous components · 08. Components with critical values that require monitoring at the workplace (exposure limits) ·  
14. Land transport ADR/RID and GGVS/GGVE (2003) · 14. Proper shipping name (ADR) · 14. Maritime transport IMDG/GGVSea  
· 14. Technical name (IMDG) · 14. Technical name (ICAO) · 15. R-phrases · 15. S-phrases · 15. OSHA HCS Class II  
Combustible liquid.

## R-Phrases of components

10	Flammable.
20	Harmful by inhalation.
21	Harmful in contact with skin.
36/37/38	Irritating to eyes, respiratory system and skin.
40	Limited evidence of a carcinogenic effect.
41	Risk of serious damage to eyes.
43	May cause sensitisation by skin contact.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapors may cause drowsiness and dizziness

## Department issuing data sheet

Chemtrec emergency hazardous information (Chemtrec@americanchemistry.com):  
Domestic / North America: 800-424-9300  
International: 703-527-3887 (call collect)

### US Transport

This product has a flash point temperature of between 100 and 141 °F (38 to 60 °C) which qualifies as a Class 3, flammable liquid. However, according to 49 CFR 173.150(b) and (c), when shipped in inner packaging with a net capacity of no more than 5 liters (1.3 gallons) and packaged in strong outer packaging (e.g., fiber board box) this product may qualify as a "Limited Quantity" and as a "Consumer Commodity," and be exempt on that basis from certain U.S. Department of Transportation (DOT) requirements. Alternatively, according to 49 CFR 173.150(f)(1) and (2), this product may be reclassified as a "Combustible Liquid" and exempted from all DOT hazardous materials regulations (including marking, labeling, and packaging requirements) when shipped in non-bulk packaging (maximum capacity of 119 gallons or less). This particular reclassification is not available for product transported via vessel or aircraft or products which are defined by DOT in 49 CFR 171.8 as "marine pollutants," "hazardous substances," or "hazardous waste."

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These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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