

SAFETY DATA SHEET 74

PURE VARNISH BICO MATT 05

1 IDENTIFICATION OF THE MIXTURE AND THE COMPANY

1.1 Product identifier

Product name PURE VARNISH BICO MATT 05

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

Description/Application WATER FINISHING FOR INTERNAL

1.3 Details of the supplier of the safety data sheet

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1.4 Emergency telephone number

For urgent inquiries refer to SANITARY EMERGENCY

2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

The product is classified as hazardous according to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and adaptationxs. The product thus requires a safety data sheet complies with the provisions of Regulation (EC) n. 1907/2006 and subsequent amendments. Further information on the risks to health and/or the environment are given in sec. 11 and 12 of this sheet.

Hazard classification and indication:

2.2 Label elements

Danger labeling under Regulation (EC) 1272/2008 (CLP) and subsequent amendments.

Pictograms of danger: -

Warnings: -

Hazard:
 EUH210 Safety data sheet available on request.
 EUH208 Contains: HYDROXYPHENYL-BENZOTRIAZOLE DERIVATIVES
 It can cause an allergic reaction.

Safety advice: -

PURE VARNISH BICO MATT 05**2.3 Other dangers**

Based on available data, the product does not contain any PBT or vPvB substances as more than 0,1%

3 COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Substance**

No relevant information.

3.2 Miscele

It contains:

Identification	Conc. %.	Classification 67/548/CEE. Classification 1272/2008 (CLP).
<u>2-BUTOXYETHANOL</u>		
CAS. 111-76-2	1,5 ≤ x < 2	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Eye Irrit. 2 H319, Skin Irrit. 2 H315
CE.03-905-0		
INDEX. 603-014-00-0		
<u>SOLUBLE WATER (PETROLEUM), LIGHT AROMATIC</u>		
CAS. 64742-95-6	1,5 ≤ x < 2	Asp. Tox. 1 H304, Nota P
CE. 265-199-0		
INDEX. 649-356-00-4		
<u>3-BUTOXY-2-PROPANOL</u>		
CAS. 5131-66-8	1,5 ≤ x < 2	Flam. Liq. 3 H226, Eye Irrit. 2 H319, Skin Irrit. 2 H315
CE. 225-878-4		
INDEX. 603-052-00-8		
<u>HYDROXYPHENYL-BENZOTRIAZOLE DERIVATIVES</u>		
CAS. -	0,1 ≤ x < 0,15	Skin Sens. 1 H317, Aquatic Chronic 2 H411
CE. 400-830-7		
INDEX. -		
Nr. Reg. 01-0000015075-76-0013		

The full text of hazard (H) is specified in section 16 of the sheet.

4 FIRST AID MEASURES**4.1 Description of first aid measures**

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention.

Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take precautions for rescue workers.

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

There are no specific information on symptoms and effects caused by the product.

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

Information not available.

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5 FIREFIGHTING MEASURES

5.1 Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be conventional: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use water.

5.2 Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3 Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

EQUIPMENT

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Block the loss if there is no danger.

Wear suitable protective equipment (including the individual protective equipment listed in Section 8 of the Safety Data Sheet) to prevent skin, eye and personal contamination.

These directions are valid both for the workers to work which for emergency interventions.

6.2 Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3 Methods and material for containment and cleaning up

Use dry cleanup methods such as vacuum cleaners or vacuum extraction (greased portable industrial, equipped with high efficiency particulate filters or equivalent techniques) that do not scatter dust in the environment. Never use compressed air. Ensure that workers wear appropriate personal protective equipment (see section 8) in order to prevent inhalation of dust and contact with skin and eyes. Deposit spillage in containers for future use. Verify the compatibility of containers' material in section 7. Ensure adequate ventilation of the place affected by the loss. The disposal of contaminated material must be made in accordance with section 13.

6.4 Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from heat, sparks and naked flames, do not smoke or use matches or lighters. Without adequate ventilation, vapors may accumulate on the ground and ignite even if they are triggered, with a risk of flame retardation. Avoid accumulation of electrostatic charges. Do not eat, nor drink, nor smoke while handling it. Remove contaminated clothing and equipment before entering eat areas. Avoid dispersal into the environment.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original container. Keep container closed, in a well-ventilated place, away from direct sunlight. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

7.3 Specific end use(s)

Information not available.

PURE VARNISH BICO MATT 05**8 EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

DEU	Deutschland	MAK-und BAT-Werte-Liste 2012
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2015
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GBR	United Kingdom	EH40/2005 Workplace exposure limits
HUN	Magyarország	50/2011. (XII. 22.) NGM rendelet a munkahelyek kémiai biztonságáról
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
POL	Polska	ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 16 grudnia 2011r
PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho - Diaro da Republica l 26; 2012-02-06
EU	OEL EU	Direttiva 2009/161/UE; Direttiva 2006/15/CE; Direttiva 2004/37/CE; Direttiva 2000/39/CE.
	TLV-ACGIH	ACGIH 2016

AMORPHOUS HYDRATED SILICATE

Threshold limit value		TWA/8h		STEL/15min		
Type	State	mg/m3	ppm	mg/m3	ppm	
AGW	DEU	4				inhalab
MAK	DEU	4				inhalab

DIPROPYLENE GLYCOL MONOMETHYLER

Threshold limit value		TWA/8h		STEL/15min		
Type	State	mg/m3	ppm	mg/m3	ppm	
AGW	DEU	310	50	310	50	
MAK	DEU	310	50	310	50	
VLA	ESP	308	50			skin
VLEP	FRA	308	50			skin
WEL	GBR	308	50			skin
AK	HUN	308		308		
VLEP	ITA	308	50			skin
NDS	POL	240		480		
VLE	PRT	308	50			skin
OEL	EU	308	50			skin
TLV-ACGIH		606	100	909	150	skin

Legend:

(C) = CEILING ; INHALAB = inhalable fraction ; RESPIR = Respirable fraction ; TORAC = Thoracic fraction.

VND = identified hazard but no DNEL/PNEC available; NEA = no expected exposure;

NPI = no hazard identified.

8.2 Exposure controls

As the use of adequate technical equipment must always take priority over personal protection equipment, ensure good ventilation in the workplace through effective local aspiration. For the selection of personal protective equipment, if necessary, request advice from your chemical substance suppliers. The personal protective equipment must bear the CE marking attesting to their compliance with applicable regulations.

HAND PROTECTION

Protect your hands with work gloves, category III (ref. law EN 374). Final selection of the material of the gloves must be considered: compatibility, degradation, breakage times and permeation. In the case of preparations the resistance of protective gloves to chemicals should be checked before use, as it expected. The gloves' limit depends on the duration and method of use.

SKIN PROTECTION

Wear work clothes with long sleeves and safety footwear for professional use category II (ref. Directive 89/686/EEC and law EN ISO 20344). Wash with soap and water after removing protective clothing.

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EYE PROTECTION

We recommend wearing hood visor or protective visor together with airtight goggles (ref. law EN 166).

RESPIRATORY PROTECTION

If the threshold value (eg TLV-TWA) exceeds the substance or one or more of the substances present in the product, it is advisable to wear a mask with a Type A filter, whose class (1, 2 or 3) should be selected in relation to the limit of use concentration. (standard EN 14387). In case there are gas or vapors of different nature and / or gases or vapors with particles (aerosols, fumes, mists, etc.) it is necessary to provide type filters combined. The use of respiratory protective means is necessary in case of technical measures adopted are not sufficient to limit worker exposure to the threshold values taken into account.

The protection offered by the masks is however limited.

Where the substance is odorless or its olfactory threshold is higher than its TLV-TWA and in case of emergency, wear an open-air compressed air breathing apparatus (standard EN 137 or an external air intake respirator (standard EN 138). For the correct choice of respiratory protection, refer to EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance	liquid
Colour	colorless
Odour	characteristic
Odour threshold	Not available
pH	Not available
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	> 60 °C
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1,05
Solubility	Soluble in water
Partition coefficient:: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not available
Oxidising properties	Not available

9.2 Other information not available**10 STABILITY AND REACTIVITY****10.1 Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

Dipropylene Glycol Monomethylether can react with: oxidizing substances. Decomposed release emits: acrylic fumes, zinc alloys.

10.2 Chemical stability

The product is stable under normal conditions of use and storage.

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10.3 Possibility of hazardous reactions

Vapors can form explosive mixtures with the air.

Butoxyethanol can react dangerously with: aluminum, oxidizing agents. Forms peroxides with: air.

10.4 Conditions to avoid

Avoid overheating. Avoid accumulation of electrostatic charges. Avoid any source of ignition.

Due to the presence of Butoxyethanol, avoid exposure to: sources of heat, free flames.

10.5 Incompatible materials

Information not available.

10.6 Hazardous decomposition products

Thermal decomposition or fire can liberate gases and vapors that are potentially harmful to health.

Butoxyacetyl can develop: hydrogen.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Immediate, delayed effects and chronic effects from short and long term exposures

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation - vapors) of the mixture:

> 20 mg/l

LC50 (Inhalation - mist/dust) of the mixture:

Not classified (no relevant component)

LD50 (Oral) of the mixture:

>2000 mg/kg

LD50 (Skin) of the mixture:

>2000 mg/kg

3-BUTOXY-2-PROPANOL

3300 mg/kg Rat

LD50 (Oral)

> 2000 mg /kg Rat

LD50 (Skin)

2-BUTOXYETHANOL

615 mg/kg Rat

LD50 (Oral)

405 mg/kg Rabbit

LD50 (Skin)

2.2 mg/l/4h Rat

LC50 (Inhalation)

SKIN CORROSION / SKIN IRRITATION

It does not meet the classification criteria for this class of danger

SERIOUS EYE DAMAGE / EYE IRRITATION

It does not meet the classification criteria for this class of danger

PURE VARNISH BICO MATT 05RESPIRATORY OR SKIN SENSITIVITY

It can cause an allergic reaction.

It contains:

HYDROXYPHENYL-BENZOTRIAZOLE DERIVATIVES

MUTAGENICITY ON GERMINAL CELLS

Does not meet the classification criteria for this hazard class. It does not meet the classification criteria for this class of danger

CARCINOGENICITY

Not responding to the classification criteria for this hazard class.

TOXICITY FOR REPRODUCTION

Not responding to the classification criteria for this hazard class.

SPECIFIC TARGET ORGANIC TOXICITY (STOT) - SINGLE EXPOSURE

Not responding to the classification criteria for this hazard class.

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE

Not responding to the classification criteria for this hazard class.

DANGER IN CASE OF ASPIRATION

Not responding to the classification criteria for this hazard class.

12 ECOLOGICAL INFORMATION

Since no specific data is available on the preparation, use in accordance with good working practices, avoiding dispersing the product in the environment. Avoid dispersing the product in the ground or water courses. Notify me competent authorities if the product has reached waterways or contaminated soil or vegetation. Take measures to minimize the effects on the aquifers.

12.1 Toxicity

Information not available

12.2 Persistence and degradability3-BUTOXY-2-PROPANOL

Solubility in water 52000 mg/l

Rapidly biodegradable

2-BUTOXYETHANOL

Solubility in water 1000 - 10000 mg/l

Rapidly biodegradable

SOLUBLE WATER (PETROLEUM), LIGHT AROMATIC

Rapidly biodegradable

12.3 Bioaccumulative potentialDIIPROPYLENE GLYCOL MONOMETHYLER

Partition coefficient: 1,2 n-octanol/water

2-BUTOSSIETANOLO

Partition coefficient: 0,81 n-octanol/water

12.4 Mobility in soil

Information not available

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%

12.6 Other adverse effects

Information not available

PURE VARNISH BICO MATT 05**13 DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Reuse, when possible. Neat product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14 TRANSPORT INFORMATION**14.1 ONU number**

Not applicable.

14.2 ONU shipping name

Not applicable.

14.3 Hazard classes connected to shipping

Not applicable.

14.4 Packaging group

Not applicable.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for users

Not applicable.

14.7 Shipping of bulk according to MARPOL 73/78 annex and the IBC code

No relevant information.

15 REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso Category None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006
None

Substances in Candidate List (Art. 59 REACH): None

Substances subject to authorisation (Annex XIV REACH): None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012: None

Substances subject to the Rotterdam Convention: None

Substances subject to the Stockholm Convention: None

Healthcare controls: Information not available

VOC (2004/42/CE Directive): Paints and impregnates for wood for interior / exterior finishes.

Legislative Decree 152/2006 and subsequent amendments

Emissions according to Part V Annex I:

TAB. D Class 3 02,24 %

WATER 49,70 %

15.2 Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

16 OTHER INFORMATIONS

Text of indications of hazard H) mentioned in section 2-3 of the sheet:

Flam. Liq. 3 Flammable liquid, category 3

Acute Tox. 4 Acute toxicity, category 4

Asp. Tox. 1 Danger in suction, category 1

Eye Irrit. 2 Eye irritation, category 2

Skin Irrit. 2 Skin irritation, category 2

Skin Sens. 1 Skin Sensitization, Category 1

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Aquatic Chronic 2	Dangerous for the aquatic environment, chronic toxicity, category 2
H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H312	Harmful if in contact with the skin.
H332	Harmful if inhaled.
H304	May be fatal if swallowed and penetrated in the respiratory tract.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.
EUH210	Safety data sheet available on request.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Directive 1999/45/EC and following amendments
2. Directive 67/548/EEC and following amendments and adjustments
3. Regulation (EC) 1907/2006 (REACH) of the European Parliament
4. Regulation (EC) 1272/2008 (CLP) of the European Parliament
5. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
6. Regulation (EC) 453/2010 of the European Parliament
7. Regulation (EC) 286/2011 (II Atp. CLP) of the European Parliament
8. Regulation (EC) 618/2012 (III Atp. CLP) of the European Parliament
9. The Merck Index. - 10th Edition
10. Handling Chemical Safety
11. Niosh - Registry of Toxic Effects of Chemical Substances
12. INRS - Fiche Toxicologique (toxicological sheet)
13. Patty - Industrial Hygiene and Toxicology
14. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
15. ECHA website

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Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version.

Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations.

The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

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