

SAFETY DATA SHEET 73

PURE VARNISH MONO SATIN 30

1 IDENTIFICATION OF THE MIXTURE AND THE COMPANY

1.1 Product identifier

Product name PURE VARNISH MONO SATIN 30

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

Description/Application INDOOR WATER FINISHING

1.3 Details of the supplier of the safety data sheet

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 Phone: +39 0444 929102 +39 0444 923317
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 E-mail address of the competent person responsible to the Safety Data Sheet info@bericalce.it

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 adaptations). The product thus requires a safety data sheet that 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: 5-CHLORO-2-METHYL-3 (2H) -ISOTHIAZOLONE / 2-METHYL-3 (2H) -ISOTHIAZOLONE (3: 1) 1,2-BENZISOTHIAZOL-3 (2H) -ONE
 May produce an allergic reaction.

Safety advice: -

PURE VARNISH MONO SATIN 30

VOC (Directive 2004/42/EC) :

Interior/exterior trim varnishes and woodstains.

VOC given in g/litre of product in a ready-to-use condition : 75,15

Limit value: 130,00

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 Miscela

IDIPROPYLENE GLYCOL MONOMETHYL ETHER

CAS 34590-94-8 $4 \leq x < 4,5$ Substance with a community workplace exposure limit.

EC 252-104-2

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Reg. no. 01-2119450011-60

1,2-BENZISOTHAZOL-3 (2H) -ONE

CAS 2634-33-5 $0 \leq x < 0,01$ Acute Tox.4 H302, Eye Dam.1 H318, Skin Irrit.2 H315, Skin Sens.1 H317
Aquatic Acute 1 H400 M=10

EC 220-120-9

INDEX 613-088-00-6

5-CHLORO-2-METHYL-3 (2H) -ISOTHAZOLONE / 2-METHYL-3 (2H) -ISOTHAZOLONE (3: 1)

CAS 55965-84-9 $0 \leq x < 0,0015$ Acute Tox.1 H330, Acute Tox.3 H301, Acute Tox.3 H311, Skin Corr. 1A
H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1,
Aquatic Chronic 1 H410 M=1

EC

INDEX 613-167-00-5

The full wording of hazard (H) phrases is given 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 suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

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

None in particular

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 leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

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

Collect the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 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

Before handling the product, consult all the other sections of this material safety data sheet.

Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

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

Keep containers away from any incompatible materials, see section 10 for details.

7.3 Specific end use(s)

Information not available.

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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

DIPROPYLENE GLYCOL MONOMETHYLER

Threshold limit value

Type	State	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
MAK	DEU	310	50	310	50	
VLA	ESP	308	50			SKIN
TLV	EST	300	50	450	75	SKIN
VLEP	FRA	308	50			SKIN
WEL	GBR	308	50			SKIN
AK	HUN	308		308		
VLEP	ITA	308	50			SKIN
RD	LTU	300	50	450	75	SKIN
RV	LVA	308	50			SKIN
NDS	POL	240		480		
VLE	PRT	308	50			SKIN
TLV	ROU	308	50			SKIN
OEL	EU	308	50			SKIN
TLV-ACGIH		606	100	909	150	SKIN

AMORPHOUS HYDRATED SILICATE

Threshold limit value

Type	State	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	4				inhalab
MAK	DEU	4				inhalab
TLV	EST	2				

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

8.2 Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

PURE VARNISH MONO SATIN 30**EYE PROTECTION**

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required. Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard 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	colourless
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

Total solids (250°C / 482°F)	36,00 %
VOC (Directive 2004/42/EC) :	7,30 % - 75,15 g/litre

PURE VARNISH MONO SATIN 30**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

May react with: oxidising substances. When heated to decomposition releases: harsh fumes, zinc alloys.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

10.4 Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

10.5 Incompatible materials

Information not available.

10.6 Hazardous decomposition products

Information not available.

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) of the mixture:

Not classified (no significant component)

LD50 (Oral) of the mixture:

Not classified (no significant component)

LD50 (Dermal) of the mixture:

Not classified (no significant component)

1,2-BENZISOTHIAZOL-3 (2H) -ONE

LD50 (Oral) 675 mg/kg female rat

LD50 (Dermal) > 5000 mg/kg rat

5-CHLORO-2-METHYL-3 (2H) -ISOTHIAZOLONE / 2-METHYL-3 (2H) -ISOTHIAZOLONE (3: 1)

LD50 (Oral) 457 mg/kg RAT

LD50 (Dermal) 660 mg/kg RABBIT

LC50 (Inhalation) 0,31 mg/l/4h RAT

SKIN CORROSION / SKIN IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / EYE IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR CUTANAL SENSITIVITY

May produce an allergic reaction.

PURE VARNISH MONO SATIN 30

Contains:

5-CHLORO-2-METHYL-3 (2H) -ISOTHIAZOLONE / 2-METHYL-3 (2H) -ISOTHIAZOLONE (3: 1)

1,2-BENZISOTHIAZOL-3 (2H) -ONE

MUTAGENICITY ON GERMINAL CELLS

Does not meet the classification criteria for this hazard class

CARCINOGENICITY.

Does not meet the classification criteria for this hazard class

TOXICITY FOR REPRODUCTION.

Does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGANIC TOXICITY (STOT) - SINGLE EXPOSURE.

Does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE.

Does not meet the classification criteria for this hazard class

DANGER IN CASE OF ASPIRATION.

Does not meet the classification criteria for this hazard class

12 ECOLOGICAL INFORMATION

No specific data are available for this product. Handle it according to good working practices. Avoid littering.

Do not contaminate soil and waterways. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

Please take all the proper measures to reduce harmful effects on aquifers.

12.1 Toxicity

1,2-BENZISOTHIAZOL-3 (2H) -ONE

LC50 - for Fish

1,6 mg/l/96h SALMO GAIRDNERI

EC50 - for Crustacea

1,35 mg/l/48h DAPHNIA MAGNA

EC50 - for Algae / Aquatic Plants

0,07 mg/l/72h ALGHE

5-CHLORO-2-METHYL-3 (2H) -ISOTHIAZOLONE / 2-METHYL-3 (2H) -ISOTHIAZOLONE (3: 1)

LC50 - for Fish

0,28 mg/l/96h

EC10 for Algae / Aquatic Plants

>188 mg/l/72h

12.2 Persistence and degradability

DIPROPYLENE GLYCOL MONOMETHYLER

Solubility in water

1000 - 10000 mg/l

Rapidly biodegradable

1,2-BENZISOTHIAZOL-3 (2H) -ONE

Rapidly degradable

5-CHLORO-2-METHYL-3 (2H) -ISOTHIAZOLONE / 2-METHYL-3 (2H) -ISOTHIAZOLONE (3: 1)

NOT rapidly degradable

12.3 Bioaccumulative potential

DIPROPYLENE GLYCOL MONOMETHYLER

Partition coefficient: n-octanol/water

0,0043

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 MONO SATIN 30

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. 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 Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

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):

Emissions according to Part V Annex I:

TAB, D Class 3 00.33%

WATER 58.9%

15.2 Chemical safety assessment

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

PURE VARNISH MONO SATIN 30**16 OTHER INFORMATIONS**

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

- Acute Tox. 1 Acute toxicity, category 1
- Acute Tox. 3 Acute toxicity, category 3
- Acute Tox. 4 Acute toxicity, category 4
- Skin Corr. 1A Skin corrosion, category 1A
- Eye Dam. 1 Serious eye damage, category 1
- Skin Irrit. 2 Skin irritation, category 2
- Skin Sens. 1 Skin sensitization, category 1
- Aquatic Acute 1 Hazardous to the aquatic environment, acute toxicity, category 1
- Aquatic Chronic 1 Hazardous to the aquatic environment, chronic toxicity, category 1
- H330 Fatal if inhaled.
- H301 Toxic if swallowed.
- H311 Toxic in contact with skin.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H400 Very toxic to aquatic life.
- H410 Very 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).

PURE VARNISH MONO SATIN 30

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
 4. Regulation (EU) 2015/830 of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 13. Regulation (EU) 2017/776 (X Atp. CLP)- The Merck Index. - 10th Edition
- Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA website
 - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

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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