

Material Safety Data Sheet

Complies with Annex II of REACH - Regulation 2015/830

SECTION 1. Identification of the substance/mixture and the company/enterprise

1.1. Product identifier

Code: 1204
Denomination: VERNICE HUE

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

Description/Use: Hydrofinishing

1.3. Details of the supplier of the safety data sheet

Business Name: VERNICE SRL
Address: VIA MACCAFERRI, 2A
Location and State: 40069 ZOLA PREDOSA (BO)
ITALIA
tel. 0039 051 002 2200
fax -

e-mail of the competent person,

Responsible of the material safety data sheet Supplier: ciao@vernice.it
Vernice Srl

1.4. Emergency telephone number

For urgent information please contact:

VERNICE SRL
0039 051 002 2200 Monday to Friday, 8-13 / 14-17

Telephone numbers of major Italian Poison Control Centers (24/24 hours): CAV "Ospedale Pediatrico Bambino Gesù" – Roma Tel. (+39) 06.6859.3726
CAV "Azienda Ospedaliera Università di Foggia" Foggia Tel. 800.183.459
CAV "Azienda Ospedaliera A. Cardarelli" Napoli Tel. (+39) 081.545.3333
CAV Policlinico "Umberto I" – Roma Tel. (+39) 06.4997.8000 CAV Policlinico "A. Gemelli" – Roma Tel. (+39) 06.305.4343
CAV Azienda Ospedaliera "Careggi" U.O. Tossicologia Medica – Firenze Tel. (+39) 055.794.7819
CAV Centro Nazionale di Informazione Tossicologica – Pavia Tel. (+39) 0382.24.444
CAV Ospedale Niguarda – Milano Tel. (+39) 02.66.1010.29
CAV Azienda Ospedaliera Papa Giovanni XXIII – Bergamo Tel. 800.88.33.00
CAV Centro antiveleni Veneto – Verona Tel. 800.011.858

SECTION 2. Hazard identification

2.1. Classification of the substance or mixture

The product is classified as hazardous under the provisions of Regulation (EC) 1272/2008 (CLP) (as amended and adapted). The product therefore requires a safety data sheet in accordance with the provisions of Regulation (EU) 2020/878.

Any additional information regarding health and/or environmental hazards can be found in Sections 11 and 12 of this sheet.

Classification and hazard statements: -

2.2. Label elements

Hazard labeling according to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments.

Hazard pictograms: --

Warnings: --

Hazard statements:
EUH210

Safety data sheet available upon request

EUH208

 Contains: 2-octyl-2H-isothiazol-3-one, BIT _ 1,2 benzisothiazol-3(2H)-one
 May cause an allergic reaction.

2.3. Other hazards

 Based on available data, the product does not contain PBT or vPvB substances in a percentage $\geq 0.1\%$.

SECTION 3. Composition/ingredients information
3.2. Mixtures

Contains:

Identification	x = Conc. %	Classificazione 1272/2008 (CLP)
TITANIUM DIOXIDE		
INDEX		
CE 236-675-5		
CAS 13463-67-7	$7 \leq x < 8$	
BIT _ 1,2 benzisotiazol-3(2H)-one		
INDEX 613-088-00-6	$0 \leq x < 0.05$	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1
CE 220-120-9		Skin Sens. 1 H317: $\geq 0.05\%$
CAS 2634-33-5		STA Orale: 500 mg/kg
CIT/MIT 3:1 Reaction mass of: 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one		
INDEX 613-167-00-5		
CE 220-239-6		
CAS 55965-84-9	$0 \leq x < 0.0015$	Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1

The full text of the hazard statements (H) can be found in section 16 of the sheet.

SECTION 4. First aid measures
4.1. First aid measures description
EYES: Remove any contact lenses. Wash immediately and thoroughly with water for at least 30 to 60 minutes, opening the eyelids wide. Seek immediate medical attention.

SKIN: Remove contaminated clothing. Shower immediately. Seek immediate medical advice.

INGESTION: Have as much water as possible drunk. Seek immediate medical attention. Do not induce vomiting unless expressly authorized by physician.

INHALATION: Get immediate medical attention. Move the subject to fresh air, away from the scene of the accident. If breathing ceases, administer artificial respiration. Take appropriate precautions for the rescuer.

4.2. Main symptoms and effects, both acute and delayed

No specific information on symptoms and effects caused by the product is known.

4.3. Indication of any need for immediate medical attention and special treatment

Information not available

SECTION 5. Firefighting measures
5.1. Extinguishing media

Being the product water-borne it is NOT flammable and fire extinguishing media have not been determined.

5.2. Precautions

Wear self-contained breathing apparatus to avoid inhalation of smoke or vapors that can be developed after paint substrate burning.

SECTION 6. Measures in case of accidental release

6.1. Personal precautions, protective equipment and procedures in case of emergency

Stop the leak if there is no danger.

Wear appropriate protective equipment (including personal protective equipment listed in SECTION 8 of the MSDS) to prevent contamination of **skin, eyes** and personal clothing. These directions apply to both work crews and emergency responders.

6.2. Environmental precautions.

Prevent the product from entering sewers, surface water, groundwater.

6.3 Methods and materials for containment and cleanup.

Vacuum spilled product into suitable container. Assess the compatibility of the container to be used with the product by checking SECTION 10. Absorb the remaining with inert absorbent material.

Provide sufficient aeration of the place affected by the spill. Disposal of the contaminated material shall be carried out in accordance with the provisions of SECTION 13.

6.4. Reference to other sections

Any information regarding personal protection and disposal can be found in Sections 8 and 13.

SECTION 7. Manipulating and storage

7.1. Precautions for safe handling

Handle the product after consulting all other sections of this MSDS. Avoid dispersion of the product into the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store containers unopened, in a well-ventilated place, out of direct sunlight. Store containers away from any incompatible materials, checking SECTION 10.

7.3. Special end uses

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Parameters of control

Regulatory references:

GBR United Kingdom EH40/2005 Workplace exposure limits (Fourth Edition 2020).
TLV-ACGIH ACGIH 2021

TITANIUM DIOXIDE

Threshold limit value					
Tipò	Stato	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
WEL	GBR	4			
	TLV-ACGIH	10			

Legend:

(C) = CEILING ; INALAB = Inhalable fraction ; RESPIR = Respirable fraction ; TORAC = Thoracic fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

8.2. Exposure Controls.

Given that the use of appropriate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local exhaust ventilation.

For the choice of personal protective equipment, seek advice from your chemical suppliers if necessary.

Personal protective equipment should bear the CE marking attesting to its compliance with applicable standards.

HAND PROTECTION

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

For the final choice of work glove material, the following should be considered: compatibility, degradation, breakthrough time and permeation.

In the case of preparations, the resistance of work gloves to chemical agents must be verified before use because it cannot be predicted. Gloves have a wear time that depends on the duration and mode of use.

SKIN PROTECTION

Wear long-sleeved work clothes and category I safety footwear for professional use (ref. Regulation 2016/425 and EN ISO 20344). Wash with soap and water after removing protective clothing.

EYE PROTECTION.

It is recommended to wear airtight protective goggles (ref. standard EN 166).

RESPIRATORY PROTECTION.

If the threshold value (e.g., TLV-TWA) of the substance or one or more of the substances in the product is exceeded, it is advisable to wear a mask with a type B filter, the class (1, 2 or 3) of which should be chosen in relation to the limit concentration of use. (ref. standard EN 14387). If gases or vapors of a different nature and/or gases or vapors with particles (aerosols, fumes, mists, etc.) are present, combined type filters should be provided.

The use of respiratory protective means is necessary in case the technical measures taken are not sufficient to limit the worker's exposure to the threshold values taken into consideration. However, the protection offered by masks is limited.

In case the substance under consideration is odorless or its odor threshold is higher than the relevant TLV-TWA and in case of emergency, wear an open-circuit self-contained compressed-air breathing apparatus (ref. standard EN 137) or an air-supplied respirator (ref. standard EN 138). Refer to EN 529 for the correct choice of respiratory protective equipment.

ENVIRONMENTAL EXPOSURE CONTROLS.

Emissions from production processes, including those from ventilation equipment should be controlled for compliance with environmental protection regulations.

SECTION 9. Physical and chemical properties

9.1. Information about physical and chemical fundamental properties

Properties	Value
Physical State	Dense liquid
Color	White or colored
Odor	distinctive
Odor Threshold	unavailable
pH	unavailable
Melting or freezing point	unavailable
Initial boiling point	unavailable
Boiling range	unavailable
Flash point	> 60 °C
Evaporation rate	unavailable
Flammability of solids and gases	unavailable
Lower flammability limit	unavailable
Upper limit flammability	unavailable
Lower limit explosiveness	unavailable
Upper limit explosiveness	unavailable
Vapor Pressure	unavailable
Density Vapors	unavailable
Relative density	unavailable
Solubility	not applicable

9.2. Other information

9.2.1. Information related to classes of physical hazards

Information not available

9.2.2. Other safety characteristics

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no special hazards of reaction with other substances under normal conditions of use.

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 to be expected under normal use and storage conditions.

10.4 Conditions to avoid

None in particular. However, adhere to the usual precautions against chemicals.

10.5 Incompatible materials

Information not available

10.6 Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental toxicological data on the product itself, the possible health hazards of the product have been assessed on the basis of the properties of the substances contained, according to the criteria stipulated in the relevant classification regulations. Therefore, consider the concentration of the individual hazardous substances possibly mentioned in sect. 3, to assess the toxicological effects resulting from exposure to the product.

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

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Immediate, delayed 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 relevant component)

LC50 (Oral) of the mixture:

Not classified (no relevant component)

LC50 (Cutaneous) of the mixture:

Not classified (no relevant component)

CIT/MIT 3:1 Reaction mass of: 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one LD50 (Orale) 550 mg/kg LD50 (Orale) 550 mg/kg

TITANIUM DiOXIDE

LD50 (Orale) > 10000 mg/kg Rat

SKIN CORROSION / SKIN IRRITATION

Does not meet the classification criteria for this hazard class

SEVERE EYE DAMAGE / EYE IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITIZATION.

May cause an allergic reaction.

Contains:

CIT/MIT 3:1 Reaction mass of: 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one
BIT _ 1,2 benzisotiazol-3(2H)-one

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class.

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN 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

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Since no specific data is available on the preparation, use according to good working practices, avoiding dispersal of the product in the environment. Avoid dispersing the product in soil or waterways. Notify the appropriate authorities if the product has reached waterways or contaminated soil or vegetation. Take measures to minimize effects on groundwater.

12.1. Toxicity

CIT/MIT 3:1 Reaction mass of: 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one
LC50 - Fish 0.58 mg/l/96h

EC50 - Crustaceans 1.02 mg/l/48h Daphnia magna

NOEC Cronica Algae / Aquatic Plants 0.188 mg/l 72 hours

BIT _ 1,2 benzisotiazol-3(2H)-one

LC50 – Fish 1.6 mg/l/96h

EC50 - Crustaceans 3.27 mg/l/48h

12.2. Persistence and degradability

CIT/MIT 3:1 Reaction mass of: 5-cloro-2-metil-2H-isotiazol-3-one [EC no. 247-500-7]; 2-metil-2H-isotiazol-3-one
Degradability No data available

TITANIUM DIOXIDE

Solubility in water < 0.001 mg/l

Degradability No data available

12.3. Bioaccumulation potential

Information not available

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment.

Based on the available data, the product does not contain PBT or vPvB substances in a percentage $\geq 0.1\%$.

12.6 Other adverse effects

Information not available

SECTION 13. Disposal consideration**13.1 Waste treatment methods.**

Reuse if possible. Product residues are to be considered special hazardous waste. The hazardousness of wastes that partially contain this product must be assessed according to current legal regulations.

Disposal should be entrusted to a licensed waste management company in accordance with national and, if applicable, local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in accordance with national waste management regulations.

SECTION 14. Information about transportation

The product is not to be considered dangerous under the current regulations for the transport of dangerous goods by road (A.D.R.), by rail (RID), by sea (IMDG Code) and by air (IATA).

14.1 UN number

not applicable

14.2. Official UN transport designation

not applicable

14.3 Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

not applicable

14.6. Special precautions for users

not applicable

14.7 Bulk marine transport in accordance with IMO acts

Information not applicable

SECTION 15. Regulatory information**15.1 Health, safety and environmental laws and regulations specific to the substance or mixture.**

Seveso category - Directive 2012/18/EU: None

Restrictions related to the product or contained substances according to Annex XVII Regulation (EC) 1907/2006

None

Substances on Candidate List (Art. 59 REACH).

Based on available data, the product does not contain SVHC substances in a percentage \geq to 0.1%.

Substances subject to authorization (Annex XIV REACH)

None

Substances subject to export notification requirements Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Sanitary Controls

Information not available

Legislative Decree 152/2006, as amended.
Emissions according to Part V Annex I:

TAB. D	Classe III	00.40 %
ACQUA		30.98 %

15.2 Chemical Safety Assessment.

A chemical safety assessment has not been prepared for the mixture/substances listed in SECTION 3.

SECTION 16. Other information

Text of the hazard statements (H) cited in Sections 2-3 of the sheet:

Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Severe eye injury, category 1
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1A	Skin sensitization, category 1A
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H330	Fatal if inhaled.
H301	Toxic if ingested.
H311	Toxic by skin contact.
H302	Harmful if ingested.
H314	Causes severe skin burns and serious eye injury.
H318	Causes severe eye injury.

H315	Causes skin irritation.
H317	May cause allergic skin reaction.
H400	Very toxic to aquatic organisms.
H410	Very toxic to aquatic organisms with long-lasting effects.
H411	Toxic to aquatic organisms with long-lasting effects.
EUH210	Material Safety Data Sheet available upon request.

LEGEND:

- ADR: European Agreement for the Transport of Dangerous Goods by Road
- CAS: Chemical Abstract Service number
- EC: Identification number in ESIS (European Database of Existing Substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived no-effect level
- EC50: Concentration giving effect to 50% of the test population
- EmS: Emergency Schedule
- GHS: Globally harmonized system for the classification and labeling of chemicals
- IATA DGR: Dangerous Goods Regulations of the International Air Transport Association
- IC50: Immobilization concentration of 50% of the population subject to testing
- IMDG: International Maritime Code for the Transport of Dangerous Goods
- IMO: International Maritime Organization
- INDEX: Identification number in Annex VI of the CLP
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulative and toxic according to REACH
- PEC: Predictable environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predicted no-effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation for the International Carriage of Dangerous Goods by Rail
- STA: Estimated Acute Toxicity
- TLV: Threshold limit value
- TLV CEILING: Concentration that must not be exceeded during any time of work exposure.
- TWA: Weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulative according to REACH
- WGK: Aquatic hazard class (Germany).

GENERAL BIBLIOGRAPHY:

1. Regulation (EC) 1907/2006 of the European Parliament (REACH).
 2. Regulation (EC) 1272/2008 of the European Parliament (CLP).
 3. Regulation (EU) 2020/878 (All. II REACH Regulation)
 4. Regulation (EC) 790/2009 of the European Parliament (I Atp. CLP)
 5. Regulation (EU) 286/2011 of the European Parliament (II Atp. CLP)
 6. Regulation (EU) 618/2012 of the European Parliament (III Atp. CLP)
 7. Regulation (EU) 487/2013 of the European Parliament (IV Atp. CLP)
 8. Regulation (EU) 944/2013 of the European Parliament (V Atp. CLP)
 9. Regulation (EU) 605/2014 of the European Parliament (VI Atp. CLP)
 10. Regulation (EU) 2015/1221 of the European Parliament (VII Atp. CLP)
 11. Regulation (EU) 2016/918 of the European Parliament (VIII Atp. CLP)
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 13. Regulation (EU) 2017/776 (X Atp. CLP)
 14. Regulation (EU) 2018/669 (XI Atp. CLP)
 15. Regulation (EU) 2019/521 (XII Atp. CLP)
 16. Delegated Regulation (EU) 2018/1480 (XIII Atp. CLP)
 17. Regulation (EU) 2019/1148
 18. Delegated Regulation (EU) 2020/217 (XIV Atp. CLP)
 19. Delegated Regulation (EU) 2020/1182 (XV Atp. CLP)
 20. Delegated Regulation (EU) 2021/643 (XVI Atp. CLP)
 21. Delegated Regulation (EU) 2021/849 (XVII Atp. CLP)
 22. Delegated Regulation (EU) 2022/692 (XVIII Atp. CLP)
- The Merck Index. - 10th Ed.- 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 Agency Website
- Database of model SDSs of chemical substances - Ministry of Health and Istituto Superiore di Sanità

Note to the user:

The information in this sheet is based on the knowledge available to us as of the date of the latest version. The user should ensure the suitability and completeness of the information in relation to the specific use of the product.

This document should not be construed as a guarantee of any specific properties of the product.

Since the use of the product does not fall under our direct control, it is the user's obligation to observe the applicable laws and regulations on hygiene and safety under his own responsibility. We assume no responsibility for improper use.

Provide adequate training for personnel involved in the use of chemicals.