

Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier

Product name 312

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

Intended use Washable, acrylic, gloss finish wall enamel for interiors. Professional and Commercial Use.

Uses advised against Uses other than those indicated

1.3. Details of the supplier of the safety data sheet

Name OIKOS S.P.A. A SOCIO UNICO
Full address Via Cherubini 2
District and Country 47043 Gatteo Mare (FC)
Italia
Tel. 0547 681412
Fax 0547 681430
e-mail address of the competent person responsible for the Safety Data Sheet certificazioniprodoti@oikos-group.it

1.4. Emergency telephone number

For urgent inquiries refer to NHS National Health Service 111

OIKOS S.P.A. a socio unico Company emergency number: 0547 681412
Technical support - Monday to Friday from 8.00-13.00; 13:30 to 16:30

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878.

Hazard classification and indication: --

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: --

Signal words: --

Hazard statements:
EUH210 Safety data sheet available on request.
EUH208 Contains: 1,2-benzisothiazol-3(2H)-one
May produce an allergic reaction.

Precautionary statements: --

VOC (Directive 2004/42/EC) :
Interior glossy walls and ceilings (Gloss > 25@60°).
VOC given in g/litre of product in a ready-to-use condition : 80,00
Limit value: 100,00

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SECTION 2. Hazards identification ... / >>					
2.3. Other hazards					
On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.					
The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.					
SECTION 3. Composition/information on ingredients					
3.2. Mixtures					
Contains:					
Identification		x = Conc. %	Classification (EC) 1272/2008 (CLP)		
1,2-benzisothiazol-3(2H)-one		0,024 ≤ x < 0,03	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1 Skin Sens. 1 H317: ≥ 0,05% LD50 Oral: >490 mg/kg bw		
INDEX 613-088-00-6					
EC 220-120-9					
CAS 2634-33-5					
REACH Reg. 01-2120761540-60					
The full wording of hazard (H) phrases is given in section 16 of the sheet.					
SECTION 4. First aid measures					
4.1. Description of first aid measures					
Not specifically necessary. Observance of good industrial hygiene is recommended.					
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					
SECTION 5. Firefighting measures					
5.1. Extinguishing media					
SUITABLE EXTINGUISHING EQUIPMENT					
The extinguishing equipment should be of the conventional kind: 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.					
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS					
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).					
SECTION 6. Accidental release measures					
6.1. Personal precautions, protective equipment and emergency procedures					
Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.					

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SECTION 6. Accidental release measures ... / >>								
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								
Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. 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.								
SECTION 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.								
7.2. Conditions for safe storage, including any incompatibilities								
Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.								
7.3. Specific end use(s)								
Information not available								
SECTION 8. Exposure controls/personal protection								
8.1. Control parameters								
1,2-benzisothiazol-3(2H)-one								
Predicted no-effect concentration - PNEC								
Normal value in fresh water				4,03	µg/l			
Normal value in marine water				403	ng/l			
Normal value for fresh water sediment				49,9	µg/kg			
Normal value for marine water sediment				4,99	µg/kg			
Normal value of STP microorganisms				1,03	mg/l			
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure		Effects on consumers		Effects on workers				
	Acute	Acute	Chronic	Chronic	Acute	Chronic	Chronic	
	local	systemic	local	systemic	local	systemic	local	systemic
Inhalation				1,2				6,81
				mg/m3				mg/m3
Skin				345				966
				µg/kg bw/d				µg/kg
								bw/d
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								
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.								
HAND PROTECTION								
Protect hands with category III work gloves.								
The following should be considered when choosing work glove material (see standard EN 374): 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 Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.								
EYE PROTECTION								
Wear airtight protective goggles (see standard EN 166).								
RESPIRATORY PROTECTION								

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SECTION 8. Exposure controls/personal 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.

SECTION 9. Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Properties	Value	Information
Appearance	pasty liquid	
Colour	White and the colour chart shades	
Odour	Feeble	
Melting point / freezing point	not available	
Initial boiling point	> 100 °C	
Flammability	not flammable	
Lower explosive limit	not applicable	
Upper explosive limit	not applicable	
Flash point	> 60 °C	
Auto-ignition temperature	not applicable	
Decomposition temperature	not available	
pH	8,5-9,5	
Kinematic viscosity	not available	
Dynamic viscosity	9000 cps	
Solubility	Mixable in water	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	not available	
Density and/or relative density	1,25	
Relative vapour density	not available	
Particle characteristics	not applicable	

9.2. Other information**9.2.1. Information with regard to physical hazard classes**

Information not available

9.2.2. Other safety characteristics


VOC (Directive 2004/42/EC) :	2,46 % - 30,76	g/litre
VOC (volatile carbon)	1,23 % - 15,43	g/litre
Explosive properties	not applicable	
Oxidising properties	not applicable	

SECTION 10. Stability and reactivity**10.1. Reactivity**

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

10.2. Chemical stability

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

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<div>SECTION 10. Stability and reactivity ... / >></div>		
<div> <div>10.3. Possibility of hazardous reactions</div> <div>No hazardous reactions are foreseeable in normal conditions of use and storage.</div> <div>10.4. Conditions to avoid</div> <div>None in particular. However the usual precautions used for chemical products should be respected.</div> <div>10.5. Incompatible materials</div> <div>Information not available</div> <div>10.6. Hazardous decomposition products</div> <div>Information not available</div> </div>		
<div>SECTION 11. Toxicological information</div>		
<div> <div>In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.</div> <div>It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.</div> <div>11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008</div> <div> <div>Metabolism, toxicokinetics, mechanism of action and other information</div> <div>Information not available</div> <div>Information on likely routes of exposure</div> <div>Information not available</div> <div>Delayed and immediate effects as well as chronic effects from short and long-term exposure</div> <div>Information not available</div> <div>Interactive effects</div> <div>Information not available</div> <div>ACUTE TOXICITY</div> <div> <div>ATE (Inhalation) of the mixture:</div> <div>ATE (Oral) of the mixture:</div> <div>ATE (Dermal) of the mixture:</div> <div> <div>1,2-benzisothiazol-3(2H)-one</div> <div>LD50 (Dermal):</div> <div>LD50 (Oral):</div> </div> <div> <div>Not classified (no significant component)</div> <div>Not classified (no significant component)</div> <div>Not classified (no significant component)</div> <div>2000 mg/kg bw (rat)</div> <div>> 490 mg/kg bw 490-670 (rat)</div> </div> </div> <div>SKIN CORROSION / IRRITATION</div> <div>Does not meet the classification criteria for this hazard class</div> <div>SERIOUS EYE DAMAGE / IRRITATION</div> <div>Does not meet the classification criteria for this hazard class</div> <div>RESPIRATORY OR SKIN SENSITISATION</div> <div>May produce an allergic reaction.</div> <div>Contains:</div> <div>1,2-benzisothiazol-3(2H)-one</div> <div>GERM CELL MUTAGENICITY</div> <div>Does not meet the classification criteria for this hazard class</div> </div> </div>		
<div> <div>EPY 11.5.1 - SDS 1004.14</div> </div>		

SECTION 11. Toxicological information ... / >>CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

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

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

1,2-benzisothiazol-3(2H)-one	
LC50 - for Fish	> 2,15 mg/l 2,15-22
EC50 - for Crustacea	> 2,9 mg/l 2,9-2,94
EC50 - for Algae / Aquatic Plants	> 70 µg/l 70-150
Chronic NOEC for Algae / Aquatic Plants	> 40,3 µg/l 40-55

12.2. Persistence and degradability

1,2-benzisothiazol-3(2H)-one
Rapidly degradable

12.3. Bioaccumulative potential

Information not available

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 \geq than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 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.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID number

not applicable

14.2. UN proper shipping name

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 user

not applicable

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso Category - Directive 2012/18/EU: _____ None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Contained substance
Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors
not applicable

Substances in Candidate List (Art. 59 REACH)
On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

Substances subject to authorisation (Annex XIV REACH)
None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:
None

Substances subject to the Rotterdam Convention:

SECTION 15. Regulatory information ... / >>

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

VOC (Directive 2004/42/EC) :

Interior glossy walls and ceilings (Gloss > 25@60°).

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)

WGK 1: Low hazard to waters

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

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

Acute Tox. 4	Acute toxicity, category 4
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
H302	Harmful if swallowed.
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
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 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: 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: Regulation (EC) 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: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

SECTION 16. Other information ... / >>

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) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) 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)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII 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.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:

The following sections were modified:

03 / 08 / 09 / 11 / 16.