

Licata S.p.A.		Revision nr.6 Dated 12/09/2024 Printed on 20/09/2024 Page n. 1 / 10 Replaced revision:5 (Dated 09/09/2024)		EN
P0020 - SILOXAN COLOR BIANCO				
<div>Safety Data Sheet</div> <div>According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH</div>				
SECTION 1. Identification of the substance/mixture and of the company/undertaking				
1.1. Product identifier				
Code:	P0020			
Product name	SILOXAN COLOR BIANCO			
1.2. Relevant identified uses of the substance or mixture and uses advised against				
Intended use	Intonaco in pasta			
1.3. Details of the supplier of the safety data sheet				
Name	Licata S.p.A.			
Full address	Via De Gasperi,155			
District and Country	92024	Canicatti	(AG)	
		Italia		
	Tel.	+39 0922 856088		
	Fax	+39 0922 831427		
e-mail address of the competent person responsible for the Safety Data Sheet	controllo-qualita@licataspa.it			
1.4. Emergency telephone number				
For urgent inquiries refer to	NHS111in England: 111 NHS24in Scotland: 111 NHS Direct in Wales: 111 or 0845 4647 In an emergency, if the patient has collapsed or is not breathing properly, call 999			
SECTION 2. Hazards identification				
2.1. Classification of the substance or mixture				
The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.				
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.				
Hazard classification and indication:				
Hazardous to the aquatic environment, chronic toxicity, category 3		H412	Harmful to aquatic life with long lasting effects.	
2.2. Label elements				
Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.				
Hazard pictograms:		--		
Signal words:		--		
Hazard statements:				
H412		Harmful to aquatic life with long lasting effects.		
Precautionary statements:				
P273		Avoid release to the environment.		
2.3. Other hazards				
On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.				

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P0020 - SILOXAN COLOR BIANCO				
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)	
ETHANEDIOL				
INDEX	603-027-00-1	0,354 ≤ x < 0,404	Acute Tox. 4 H302, STOT RE 2 H373	
EC	203-473-3		ATE Oral: 500 mg/kg	
CAS	107-21-1			
3-(4-Isopropylphenyl)-1,1-dimethylurea				
INDEX	006-044-00-7	0,025 ≤ x < 0,08	Carc. 2 H351, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=10	
EC	251-835-4			
CAS	34123-59-6			
Trimethylolpropane				
INDEX		0 < x < 0,05	EUH066, EUH210, EUH212	
EC	201-074-9			
CAS	77-99-6			
REACH Reg.	01-2119486799-10-XXXX			
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				
No effects requiring implementation of special first aid measures are expected. The following information represents practical indications of correct behaviour in the event of contact with a chemical product, even if not hazardous. In case of doubt or in the presence of symptoms contact a doctor and show him this document. In case of more severe symptoms, ask for immediate medical aid. EYES: Wash immediately and thoroughly with running water. Get medical advice if you feel symptoms. SKIN: Wash with plenty of water. Get medical advice if you feel symptoms. INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice. INHALATION: Remove to open air. Get medical advice if you feel symptoms.				
Rescuer protection				
It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.				
4.2. Most important symptoms and effects, both acute and delayed				
Specific information on symptoms and effects caused by the product are unknown.  DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.				
4.3. Indication of any immediate medical attention and special treatment needed				
If symptoms occur, whether acute or delayed, consult a doctor.  Means to have available in the workplace for specific and immediate treatment				
Running water for skin and eye wash.				
SECTION 5. Firefighting measures				
5.1. Extinguishing media				
SUITABLE EXTINGUISHING EQUIPMENT				

EPY 11.7.1 - SDS 1004.14

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SECTION 5. Firefighting measures ... / >>		
<div>The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.</div> <div>UNSUITABLE EXTINGUISHING EQUIPMENT</div> <div>None in particular.</div>		
5.2. Special hazards arising from the substance or mixture		
<div>HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE</div> <div>Do not breathe combustion products.</div>		
5.3. Advice for firefighters		
<div>GENERAL INFORMATION</div> <div>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.</div> <div>SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS</div> <div>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).</div>		
SECTION 6. Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
<div>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.</div>		
6.2. Environmental precautions		
<div>The product must not penetrate into the sewer system or come into contact with surface water or ground water.</div>		
6.3. Methods and material for containment and cleaning up		
<div>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.</div>		
6.4. Reference to other sections		
<div>Any information on personal protection and disposal is given in sections 8 and 13.</div>		
SECTION 7. Handling and storage		
7.1. Precautions for safe handling		
<div>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.</div>		
7.2. Conditions for safe storage, including any incompatibilities		
<div>Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.</div>		
7.3. Specific end use(s)		
<div>Information not available</div>		
SECTION 8. Exposure controls/personal protection		
8.1. Control parameters		
<div>Regulatory references:</div>		
DEU	Deutschland	Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe Mitteilung 58
ESP	España	Límites de exposición profesional para agentes químicos en España 2023
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en FranceDécret n° 2021-1849 du 28 décembre 2021
HRV	Hrvatska	Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnimkemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)
<div>EPY 11.7.1 - SDS 1004.14</div>		



**SECTION 9. Physical and chemical properties** ... / >>

Lower explosive limit	not available
Upper explosive limit	not available
Flash point	not available
Auto-ignition temperature	not available
Decomposition temperature	not available
pH	9
Kinematic viscosity	not available
Dynamic viscosity	53000 cPs
Solubility	miscible
Partition coefficient: n-octanol/water	not available
Vapour pressure	not available
Density and/or relative density	not available
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 2010/75/EU) 0,44 %

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

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

## ETHANEDIOL

In the air absorbs moisture. Decomposes at temperatures above 200°C/392°F.

**10.2. Chemical stability**

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

**10.3. Possibility of hazardous reactions**

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

## ETHANEDIOL

Risk of explosion on contact with: perchloric acid. May react dangerously with: chlorosulphuric acid, sodium hydroxide, sulphuric acid, phosphorus pentasulphide, chromium (III) oxide, chromyl chloride, potassium perchlorate, potassium dichromate, sodium peroxide, aluminium. Forms explosive mixtures with: air.

**10.4. Conditions to avoid**

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

## ETHANEDIOL

Avoid exposure to: sources of heat, naked flames.

**10.5. Incompatible materials**

Information not available

**10.6. Hazardous decomposition products**

## ETHANEDIOL

May develop: hydroxyacetaldehyde, glyoxal, acetaldehyde, methane, carbon monoxide, hydrogen.

**SECTION 11. Toxicological information**

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.

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.

**P0020 - SILOXAN COLOR BIANCO****SECTION 11. Toxicological information ... / >>****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

## ETHANEDIOL

WORKERS: inhalation; contact with the skin.

POPULATION: inhalation of ambient air; contact with the skin of products containing the substance.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

## ETHANEDIOL

Ingestion initially stimulates the central nervous system; later replaced by a phase of depression. There may be kidney damage, with anuria and uremia. Over-exposure symptoms are: vomiting, drowsiness, difficulty in breathing, convulsions. The lethal dose for humans is approx. 1.4 ml/kg.

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:

Not classified (no significant component)

ATE (Oral) of the mixture:

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

## ETHANEDIOL

LD50 (Dermal):

9530 mg/kg Rabbit

LD50 (Oral):

> 2000 mg/kg Rat

## TITANIUM DIOXIDE

LD50 (Oral):

> 10000 mg/kg Rat

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

## ETHANEDIOL

Available studies have shown no carcinogenic potential. In a carcinogenicity study lasting two years, carried out by the US National Toxicology Program (NTP), in which ethylene glycol was administered in the feed, "no evidence of carcinogenic activity" in male and female B6C3F1 mice was observed (NTP, 1993).

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

**P0020 - SILOXAN COLOR BIANCO****SECTION 11. Toxicological information** ... / >>**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**

This product is dangerous for the environment and the aquatic organisms. In the long term, it has negative effects on the aquatic environment.

**12.1. Toxicity**

Information not available

**12.2. Persistence and degradability**

ETHANEDIOL	
Solubility in water	1000 - 10000 mg/l
Rapidly degradable	

TITANIUM DIOXIDE	
Solubility in water	< 0,001 mg/l
Degradability: information not available	

**12.3. Bioaccumulative potential**

ETHANEDIOL	
Partition coefficient: n-octanol/water	-1,36

**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. 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.

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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		
Product		
Point	3	
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 ≥ 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:		
None		
Substances subject to the Stockholm Convention:		

**P0020 - SILOXAN COLOR BIANCO****SECTION 15. Regulatory information ... / >>**

None

Healthcare controls

Information not available

**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:

<b>Carc. 2</b>	Carcinogenicity, category 2
<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>STOT RE 2</b>	Specific target organ toxicity - repeated exposure, category 2
<b>Aquatic Acute 1</b>	Hazardous to the aquatic environment, acute toxicity, category 1
<b>Aquatic Chronic 1</b>	Hazardous to the aquatic environment, chronic toxicity, category 1
<b>Aquatic Chronic 3</b>	Hazardous to the aquatic environment, chronic toxicity, category 3
<b>H351</b>	Suspected of causing cancer.
<b>H302</b>	Harmful if swallowed.
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure.
<b>H400</b>	Very toxic to aquatic life.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.
<b>H412</b>	Harmful to aquatic life with long lasting effects.
<b>EUH066</b>	Repeated exposure may cause skin dryness or cracking.
<b>EUH210</b>	Safety data sheet available on request.
<b>EUH212</b>	Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

**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
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- 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
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

**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

**P0020 - SILOXAN COLOR BIANCO****SECTION 16. Other information ... / >>**

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)
23. Delegated Regulation (UE) 2023/707
24. Delegated Regulation (UE) 2023/1434 (XIX Atp. CLP)
24. Delegated Regulation (UE) 2023/1435 (XX 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 / 16.