

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Commercial product name:
COLORDEK

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

Use of substance/preparation:
SEALANTS (INDUSTRIAL)

1.3 Details of the manufacturer/supplier of the safety data sheet

Manufacturer:

Siliconas y Masillas S.L.,
Avda. Cruceiro da Coruña, nº 201
15705 Santiago de Compostela - Spain
Phone: +34 981 571 052
E-mail: calidad@syma.es

Supplier:

Cosentino Global S.L.U.,
Ctra. A334, Baza-Huércal Overa, km 59
04850 Cantoria (Almería) - Spain
Phone: +34 950 444 175
E-mail: info@cosentino.com
Website: www.cosentino.com

1.4 Emergency telephone number

ChemTel Inc. (24/7/365, multilingual):

Worldwide: +1-813-248-0585
United States: 1-800-255-3924 (free toll)
Australia: 1-300-954-583
China: 400-120-0751
India: 000-800-100-4086
Mexico: 01-800-099-0731
Brazil: 0-800-591-6042

For information on emergency phone numbers of EU national authorities you may check:

https://echa.europa.eu/documents/10162/2322249/emergency_phone_numbers_en.pdf/d911af43-4bcf-9371-a59d-a20736d91e7d?t=1628515444598



Section 2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:
Not a hazardous substance or mixture.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008:
No labelling according to GHS required.

Hazard statements:

EUH208 - Contains 3-aminopropyltriethoxysilane. May produce an allergic reaction.

EUH210 - Safety datasheet available on request.

2.3 Other hazards

The product hydrolyses under formation of ethanol (CAS-Nr. 64-17-5). Ethanol is classified concerning both physical and health hazards. The hydrolysis rate and consequently the relevance for the hazard profile of the product is strongly dependent on the specific conditions.

Section 3 Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

3.2.1 Chemical characteristics:

Polydimethylsiloxane and auxiliary + crosslinker.

3.2.2 Hazardous ingredients:

IDENTIFICATION	CHEMICAL NAME/CLASSIFICATION*	CONCENTRATION
CAS: 64742-46-7	DISTILLATES, PETROLEUM, HYDROTREATED MIDDLE⁽¹⁾	
EC: 265-148-2	Regulation 1272/2008 Asp. Tox. 1: H304	3% ≤ x < 5%
Index: -		
REACH: 01-2119552497-29		
CAS: 128446-60-6	3-AMINOPROPYL(METHYL)SILSESQUOXANES, ETHOXY-TERMINATED⁽¹⁾	
EC: -	Regulation 1272/2008 Skin Irrit. 2: H315; Eye Irrit. 2: H319; Flam. Liq. 3: H226	3% ≤ x < 5%
Index: -		
REACH: -		

Type: INHA: ingredient, VERU: impurity.

(1) Hazardous or environmentally harmful substance; (2) Substance with a Community workplace exposure limit; (3) PBT substance; (4) vPvB substance.

* Classification codes are explained in section 16.

Hydrocarbon mixtures were classified in accordance with the applicable notes in Annex VI of Regulation (EC) No 1272/2008.

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above ≥ 0.1%.

Section 4 First aid measures

4.1 Description of first aid measures

General information:

In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

After contact with the eyes:

Rinse immediately with plenty of water.
Seek medical advice in case of continuous irritation.

After contact with the skin:

Wipe off excess material with cloth or paper.
Wash with plenty of water or water and soap.
In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible).

After inhalation:

Material cannot be inhaled under normal conditions.

After swallowing:

Give several small portions of water to drink.
Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Any relevant information can be found in other parts of this section.

4.3 Indication of any immediate medical attention and special treatment needed

Further toxicology information in section 11 must be observed.

Section 5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Alcohol-resistant foam, carbon dioxide, water mist, sprinkler system, sand, extinguishing powder.

Extinguishing media which must not be used for safety reasons:

Water jet.

5.2 Special hazards arising from the substance or mixture

Risk of hazardous gasses or fumes in the event of fire. Exposure to combustion products may be a health hazard!. Hazardous combustion products: toxic and very toxic fumes.

5.3 Advice for firefighters

Special protective equipment for fire fighting:

Use respiratory protection independent of recirculated air. Keep unprotected persons away.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. If material is released indicate risk of slipping. Do not walk through spilled material.

6.2 Environmental precautions

Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. Retain contaminated water/ extinguishing water. Dispose of in prescribed marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground.

6.3 Methods and material for containment and cleaning up

Scoop up large quantities after dusting surfaces with sand or Fuller's earth to prevent sticking. Sweep or scrape up the spilled material and place in an appropriate chemical waste container. Clean any slippery coating that remains using a detergent/soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.

Further information:

Exhaust vapours. Eliminate all sources of ignition. Consider explosion protection. Observe notes under section 7.

6.4 Reference to other sections

Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

Section 7 Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling:

Ensure adequate ventilation. Must be syphoned off in situ. Keep away from incompatible substances in accordance with section 10. Observe information in section 8.

Precautions against fire and explosion:

Product may release ethanol. Flammable vapours may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and unclean containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

7.2 Conditions for safe storage, including any incompatibilities

Conditions for storage rooms and vessels:

Observe local/state/federal regulations.

Advice for storage of incompatible materials:

Observe local/state/federal regulations.

Further information for storage:

Store in a dry and cool place. Protect against moisture. Store container in a well ventilated place.

7.3 Specific end use(s)

No data available.

Section 8 Exposure controls/ personal protection

8.1 Control parameters

ETHANOL

MAXIMUM AIRBORNE CONCENTRATIONS AT THE WORKPLACE	
CAS	64-17-5
TYPE	TLV_GB
mg/m ³	1920.0
ppm	1000.0
DUST FRACT.	-
FIBRE/m ³	-

DISTILLATES, PETROLEUM, HYDROTREATED MIDDLE

DERIVED NO-EFFECT LEVEL - DNEL	
AREA OF USE	VALUE
General	No quantitative data are available

PREDICTED NO EFFECT CONCENTRATION - PNEC	
AREA OF USE	VALUE
General	A regular PNEC could not be derived

8.2 Exposure controls

8.2.1 Exposure in the work place limited and controlled:

General protection and hygiene measures:

Observe standard industrial hygiene practices for the handling of chemical substances. Do not eat, drink or smoke when handling.

Personal protection equipment

Respiratory protection:

If inhalative exposure above the occupational exposure limit cannot be excluded, adequate respiratory protection equipment must be used. Suitable respiratory equipment: Respirator with a full face mask, according to acknowledged standards such as EN 136. Recommended Filter type: Gas filter type ABEK (certain inorganic, organic and acidic gases and vapours; ammonia/amines), according to acknowledged standards such as EN 14387.

Observe the equipment manufacturer's information and wear time limits for respirators.

Eye protection:

Recommendation: protective goggles.

Hand protection:

Use of protective gloves is recommended when handling the material, according to recognized standards such as EN 374.

Recommended glove types:

- PROTECTIVE GLOVES MADE OF NITRILE RUBBER
 - Thickness of the material: > 0.1 mm
 - Breakthrough time: > 480 min
- PROTECTIVE GLOVES MADE OF BUTYL RUBBER
 - Thickness of the material: > 0.3 mm
 - Breakthrough time: > 480 min

Please, observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Note that, due to the numerous external influences (such as temperature), a chemically resistant protective glove in daily use may have a service life that is considerably shorter than the measured break through time.

8.2.1 Exposure to the environment limited and controlled:

Prevent material from entering surface waters, drains or sewers and soil.

8.3 Further information for system design and engineering measures

Observe information in section 7. Observe national regulatory requirements.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

PROPERTY	VALUE	METHOD
Appearance	Pasty liquid	-
Colour	Colourless	-
Odour	Alcoholically	-
Odour limit	No data available	-
pH - Value	Not applicable Insoluble in water	-
Melting point/ freezing point	Not applicable	-
Initial boiling point and boiling range	Not applicable	-
Flash point	Not applicable	-
Evaporation rate	No data available	-
Upper/lower flammability or explosive limits	Not applicable	-
Vapour pressure	Not determined	-
Water solubility/ miscibility	Insoluble	-
Relative gas/vapour density	No data known	-
Relative density	1.02 - 1.03 (23 °C) (Water / 4 °C = 1.00)	ISO 1183-1 A
Density	1.02 - 1.03 g/cm ³ (23 °C)	ISO 1183-1 A
Partition coefficient: n-octanol/water	No data known	-
Auto-ignition temperature	> 400 °C	DIN 51794
Decomposition temperature	Not applicable	-
Viscosity (Dynamic)	800000 mPa.s at 23 °C	Brookfield
Molecular mass	Not applicable	-

9.2 Other information

No data available.

Section 10 Stability and reactivity

10.1 Reactivity

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Relevant information can possibly be found in other parts of this section.

10.2 Chemical stability

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Relevant information can possibly be found in other parts of this sections.

10.3 Possibility of hazardous reactions

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

Relevant information can possibly be found in other parts of this section.

10.4 Conditions to avoid

Moisture, heat, open flames, and other sources of ignition.

10.5 Incompatible materials

Reacts with water, basic substances and acids. The reaction takes place with the formation of ethanol.

10.6 Hazardous decomposition products

ETHANOL BY HYDROLYSIS. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

Section 11 Toxicological information

11.1 Information on toxicological effects

11.1.1 General information:

Data derived for the product as a whole are of higher priority than data for single ingredients.

11.1.2 Acute toxicity:

Product details:

LD50 (Oral)	> 2000 mg/Kg (Rat)	Conclusion by analogy
LD50 (Dermal)	> 2000 mg/Kg (Rat)	Conclusion by analogy

11.1.3 Skin corrosion/irritation:

Assessment:

Based on the available data a clinically relevant skin irritation hazard is not expected. Temporary symptoms of an irritation cannot be excluded if the adhesive product is removed mechanically after contact.

Product details:

No skin irritation	Rabbit	Conclusion by analogy
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11.1.4 Serious eye damage/eye irritation:

Assessment:

Based on the available data a clinically relevant eye irritation hazard is not expected. Temporary symptoms of an irritation cannot be excluded if the adhesive product is removed mechanically after contact.

Product details:

No eye irritation	Rabbit	Conclusion by analogy
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11.1.5 Respiratory or skin sensitization:

Product details:

Dermal	Does not cause skin sensitisation	Guinea pig; Buehler Test	Conclusion by analogy OECD 406
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11.1.6 Germ cell mutagenicity:

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.7 Carcinogenicity:

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.8 Reproductive toxicity:

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.9 Specific target organ toxicity (single exposure):

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.10 Specific target organ toxicity (repeated exposure):

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.11 Aspiration hazard:

Assessment:

Based on the physical-chemical properties of the product no aspiration hazard must be expected.

11.1.12 Further toxicological information:

Data on substances:

- **PRODUCT OF HYDROLYSIS (ETHANOL)**
Ethanol (64-17-5) is readily absorbed at all exposure routes. Ethanol may cause irritation of eyes and mucosa, trigger dysfunction of the central nervous system and cause nausea as well as dizziness. Chronic exposure to high amounts of ethanol may cause damage to liver and central nervous system.
- **ALIPHATIC AND NAPHTHENIC HYDROCARBONS**
According to literature aliphatic hydrocarbons are slightly irritating to the skin and mucous membranes and have a skin drying and narcotic effect. If the lungs are directly affected (e.g. by aspiration), inflammation of the lungs may occur.

Section 12 Ecological information

12.1 Toxicity

Assessment:

The environmental hazard classification of this material is concluded by data available for the ingredients and the leachable amount of biocide in simulation tests in water. No expected damaging effects to aquatic organisms.

Product details:

LC50 - for Fish	> 100 mg/l/96 h	Expert judgement
EC50 - for Water flea	> 100 mg/l/48 h (Daphnia magna)	Expert judgement

12.2 Persistence and degradability

Assessment:

Silicone content: biologically not degradable.
Separation by sedimentation.

Data on substances:

→ PRODUCT OF HYDROLYSIS (ETHANOL)
Ethanol is readily biodegradable.

12.3 Bioaccumulative potential

Assessment:

Polymer component: Bioaccumulation
is not expected to occur.

12.4 Mobility in soil

Assessment:

Silicone content: Insoluble in water.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

None known.

Section 13 Disposal considerations

13.1 Waste treatment methods

13.1.1 Material:

Recommendation:

Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.

13.1.2 Uncleaned packaging:

Recommendation:

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

13.1.3 Waste Disposal Legislation Ref. No.(EC):

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Section 14 Transport information

14.1 UN Number

Road ADR:
Not regulated for transport.

Railway RID:
Not regulated for transport.

Transport by sea IMDG-Code:
Not regulated for transport.

Air transport ICAO-TI/IATA-DGR:
Not regulated for transport.

14.2 UN proper shipping name

Road ADR:
Not regulated for transport.

Railway RID:
Not regulated for transport.

Transport by sea IMDG-Code:
Not regulated for transport.

Air transport ICAO-TI/IATA-DGR:
Not regulated for transport.

14.3 Transport hazard class(es)

Road ADR:
Not regulated for transport.

Railway RID:
Not regulated for transport.

Transport by sea IMDG-Code:
Not regulated for transport.

Air transport ICAO-TI/IATA-DGR:
Not regulated for transport.

14.4 Packing group

Road ADR:
Not regulated for transport.

Railway RID:
Not regulated for transport.

Transport by sea IMDG-Code:
Not regulated for transport.

Air transport ICAO-TI/IATA-DGR:
Not regulated for transport.

14.5 Environmental hazards

Hazardous to the environment: NO.

14.6 Special precautions for user

Relevant information in other sections
has to be considered.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Bulk transport in tankers is not intended.

Section 15 Regulatory information

15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture

National and local regulations must be observed.

For information on labelling please refer to section 2 of this document.

Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances (Seveso III):
Not applicable.

Relevant regulations:

- SI 2002/1689: CHIP Regulations 2002
- SI 2002/2677: COSHH Regulations 2002
- SI 1999/3242: Management of Health & Safety at Work Regulations 1999
- Health & Safety at Work Act 1974
- SI 1993/1643: Environmental Protection Act 1993 & Subsidiary Regulations
- Other national and local measures relating to the workplace, pollution control, environmental protection and waste control

Other specifications, restrictions and prohibitions:

- Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals:
Not applicable.
- Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - ANNEX I. RESTRICTED EXPLOSIVES PRECURSORS:
Not applicable.
- Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - ANNEX II. REPORTABLE EXPLOSIVES PRECURSORS:
Not applicable.

15.2 Chemical safety assessment

Due to the results of the chemical safety assessment, exposure scenarios and identified uses are not of relevance for this safety datasheet.

15.3 Details of international registration status

Relevant information about individual substance inventories, where available, is given below:

Japan:

- ENCS (Handbook of Existing and New Chemical Substances):
This product is listed in, or complies with, the substance inventory.

New Zealand:

- NZIoC (New Zealand Inventory of Chemicals):
This product is listed in, or complies with, the substance inventory. (For a correct interpretation of the New Zealand status, additional information like GHS classification or Group Standard is required).

Australia:

- AIIIC (Australian Inventory of Industrial Chemicals):
This product is listed in, or complies with, the substance inventory.

Canada:

- DSL (Domestic Substance List):
This product is not listed or in compliance with the substance inventory.

Philippines:

- PICCS (Philippine Inventory of Chemicals and Chemical Substances):
This product is not listed or in compliance with the substance inventory.

United States of America (USA):

- TSCA (Toxic Substance Control Act Chemical Substance Inventory):
All components of this product are listed as active or are in compliance with the substance inventory.

Taiwan:

- TCSI (Taiwan Chemical Substance Inventory):
This product is listed in, or complies with, the substance inventory. General note: The Taiwanese chemicals regulation requires a phase 1 registration for TCSI-listed or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan exceed the trigger quantity of 100 Kg/a (for mixtures to be calculated per each ingredient). It is the duty of the importing/manufacturing legal entity to take care of this obligation.

European Economic Area (EEA):

- REACH (Regulation (EC) No 1907/2006):
General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.

South Korea (Republic of Korea):

- AREC (Act on Registration and Evaluation of Chemicals; 'K-REACH'):
Please approach your regular contact for more detailed information.

Section 16

Other information

16.1 Material

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.

The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.

16.2 Further information

This version supersedes all previous versions.

Explanation of the GHS classification code:

Asp. Tox. 1: H304	Aspiration hazard, Category 1: May be fatal if swallowed and enters airways
Skin Irrit. 2: H315	Skin corrosion/irritation, Category 2: Causes skin irritation
Eye Irrit. 2: H319	Serious eye damage/eye irritation, Category 2: Causes serious eye irritation.
Flam. Liq. 3: H226	Flammable liquids, Category 3: Flammable liquid and vapour