



SPECTRALOCK® Translucent Grout Part A
24-1200-0000-2A



SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** SPECTRALOCK® Translucent Grout Part A
24-1200-0000-2A
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
Relevant uses: Cobble & Setts Jointing Compound. For professional user only.
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**
LATICRETE EUROPE SRL
VIA BORGOGNA 8
20122 MILANO - ITALY
Phone.: 059557680
info@laticreteeurope.com
https://eu.laticrete.com/
- 1.4 Emergency telephone number:** Company number (08:00 - 18:00 CET): (+39) 059 557680 - European emergency number: 112

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**
CLP Regulation (EC) No 1272/2008:
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.
Acute Tox. 4: Acute toxicity, Category 4, H302+H332
Aquatic Acute 1: Hazardous to the aquatic environment, acute hazard, Category 1, H400
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411
Eye Dam. 1: Serious eye damage, Category 1, H318
Repr. 1B: Reproductive toxicity, Category 1B, H360FD
Skin Corr. 1B: Skin corrosion, Category 1B, H314
Skin Sens. 1: Sensitisation, skin, Category 1, H317
- 2.2 Label elements:**
CLP Regulation (EC) No 1272/2008:
Danger
-
- Hazard statements:**
Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled
Aquatic Acute 1: H400 - Very toxic to aquatic life
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects
Repr. 1B: H360FD - May damage fertility. May damage the unborn child.
Skin Corr. 1B: H314 - Causes severe skin burns and eye damage
Skin Sens. 1: H317 - May cause an allergic skin reaction
- Precautionary statements:**
P280: Wear protective gloves/protective clothing/eye protection/face protection
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313: IF exposed or concerned: Get medical advice/attention
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively
- Supplementary information:**
Contains 2-(2-aminoethylamino)ethanol, 2-piperazin-1-ylethylamine, 3-aminomethyl-3,5,5-trimethylcyclohexylamine, Trimethylhexane-1,6-diamine
- Additional Labelling (Annex XVII, REACH):**
Restricted to professional users
- 2.3 Other hazards:**
Product fails to meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- CONTINUED ON NEXT PAGE -



SPECTRALOCK® Translucent Grout Part A
24-1200-0000-2A



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Epoxides

Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification		Concentration
CAS: 100-51-6 EC: 202-859-9 Index: 603-057-00-5 REACH: 01-2119492630-38-XXXX	Benzyl alcohol ^[1] ATP CLP00		20 - <30 %
	Regulation 1272/2008	Acute Tox. 4: H302+H332 - Warning	
CAS: 140-31-8 EC: 205-411-0 Index: 612-105-00-4 REACH: 01-2119471486-30-XXXX	2-piperazin-1-ylethylamine ^[1] ATP CLP00		10 - <20 %
	Regulation 1272/2008	Acute Tox. 4: H302+H312; Aquatic Chronic 3: H412; Skin Corr. 1B: H314; Skin Sens. 1: H317 - Danger	
CAS: 84852-15-3 EC: 284-325-5 Index: 601-053-00-8 REACH: 01-2119510715-45-XXXX	4-nonylphenol, branched ^[1] ATP CLP00		10 - <20 %
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Repr. 2: H361fd; Skin Corr. 1B: H314 - Danger	
CAS: 25620-58-0 EC: 247-134-8 Index: Non-applicable REACH: Non-applicable	Trimethylhexane-1,6-diamine ^[1] Self-classified		10 - <20 %
	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 3: H412; Skin Corr. 1B: H314; Skin Sens. 1: H317 - Danger	
CAS: 9046-10-0 EC: Non-applicable Index: Non-applicable REACH: 01-2119557899-12-XXXX	Poly[oxy(methyl-1,2-ethanediyl)],a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)- ^[1] Self-classified		5 - <10 %
	Regulation 1272/2008	Skin Corr. 1B: H314 - Danger	
CAS: 2855-13-2 EC: 220-666-8 Index: 612-067-00-9 REACH: 01-2119514687-32-XXXX	3-aminomethyl-3,5,5-trimethylcyclohexylamine ^[1] ATP CLP00		2,5 - <5 %
	Regulation 1272/2008	Acute Tox. 4: H302+H312; Aquatic Chronic 3: H412; Skin Corr. 1B: H314; Skin Sens. 1: H317 - Danger	
CAS: 52338-87-1 EC: 257-861-2 Index: Non-applicable REACH: 01-2120781639-37-XXXX	1,3-bis[3-(dimethylamino)propyl]urea ^[1] Self-classified		1 - <2,5 %
	Regulation 1272/2008	Eye Dam. 1: H318; Skin Corr. 1C: H314 - Danger	
CAS: 111-41-1 EC: 203-867-5 Index: 603-194-00-0 REACH: 01-2119456894-24-XXXX	2-(2-aminoethylamino)ethanol ^[1] ATP ATP01		0,1 - <1 %
	Regulation 1272/2008	Repr. 1B: H360FD; Skin Corr. 1B: H314; Skin Sens. 1: H317 - Danger	

^[1] Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Request medical assistance immediately, showing the SDS of this product.

By inhalation:

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

By ingestion/aspiration:

- CONTINUED ON NEXT PAGE -



SPECTRALOCK® Translucent Grout Part A
24-1200-0000-2A



SECTION 4: FIRST AID MEASURES (continued)

Request immediate medical assistance, showing the SDS of this product. Do not induce vomiting, because its expulsion from the stomach can be hazardous to the mucus of the main digestive tract, and also risk damage to the respiratory system through inhalation. Rinse out the mouth and throat, as they may have been affected during ingestion. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Keep the person affected at rest.

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

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use full jet water as an extinguishing agent.

5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

PREGNANT WOMEN SHOULD NOT BE EXPOSED TO THIS PRODUCT. Transfer in designated areas that comply with the necessary safety conditions (emergency showers and eyewash stations in close proximity), using personal protection equipment, especially on the hands and face (See section 8). Limit manual transfers to small amounts only. Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

- CONTINUED ON NEXT PAGE -



SPECTRALOCK® Translucent Grout Part A
24-1200-0000-2A



SECTION 7: HANDLING AND STORAGE (continued)

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace

There are no occupational exposure limits for the substances contained in the product

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Benzyl alcohol CAS: 100-51-6 EC: 202-859-9	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	47 mg/kg	Non-applicable	9,5 mg/kg	Non-applicable
	Inhalation	450 mg/m ³	Non-applicable	90 mg/m ³	Non-applicable
2-piperazin-1-ylethylamine CAS: 140-31-8 EC: 205-411-0	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	20 mg/kg	Non-applicable	3,3 mg/kg	Non-applicable
	Inhalation	21,4 mg/m ³	Non-applicable	3,6 mg/m ³	Non-applicable
4-nonylphenol, branched CAS: 84852-15-3 EC: 284-325-5	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	15 mg/kg	Non-applicable	7,5 mg/kg	Non-applicable
	Inhalation	1 mg/m ³	Non-applicable	0,5 mg/m ³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Benzyl alcohol CAS: 100-51-6 EC: 202-859-9	Oral	25 mg/kg	Non-applicable	5 mg/kg	Non-applicable
	Dermal	28,5 mg/kg	Non-applicable	5,7 mg/kg	Non-applicable
	Inhalation	40,55 mg/m ³	Non-applicable	8,11 mg/m ³	Non-applicable
2-piperazin-1-ylethylamine CAS: 140-31-8 EC: 205-411-0	Oral	1,5 mg/kg	Non-applicable	0,3 mg/kg	Non-applicable
	Dermal	10 mg/kg	Non-applicable	1,7 mg/kg	Non-applicable
	Inhalation	5,3 mg/m ³	Non-applicable	0,9 mg/m ³	Non-applicable
4-nonylphenol, branched CAS: 84852-15-3 EC: 284-325-5	Oral	0,4 mg/kg	Non-applicable	0,08 mg/kg	Non-applicable
	Dermal	7,6 mg/kg	Non-applicable	3,8 mg/kg	Non-applicable
	Inhalation	0,8 mg/m ³	Non-applicable	0,4 mg/m ³	Non-applicable
3-aminomethyl-3,5,5-trimethylcyclohexylamine CAS: 2855-13-2 EC: 220-666-8	Oral	Non-applicable	Non-applicable	0,526 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation	Non-applicable	Non-applicable	Non-applicable	Non-applicable

PNEC:

Identification				
Benzyl alcohol CAS: 100-51-6 EC: 202-859-9	STP	39 mg/L	Fresh water	1 mg/L
	Soil	0,456 mg/kg	Marine water	0,1 mg/L
	Intermittent	2,3 mg/L	Sediment (Fresh water)	5,27 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,527 mg/kg

- CONTINUED ON NEXT PAGE -



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
2-piperazin-1-ylethylamine CAS: 140-31-8 EC: 205-411-0	STP	250 mg/L	Fresh water	0,058 mg/L
	Soil	42,9 mg/kg	Marine water	0,0058 mg/L
	Intermittent	0,58 mg/L	Sediment (Fresh water)	215 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	21,5 mg/kg
4-nonylphenol, branched CAS: 84852-15-3 EC: 284-325-5	STP	9,5 mg/L	Fresh water	0,000614 mg/L
	Soil	2,3 mg/kg	Marine water	0,000527 mg/L
	Intermittent	0,00017 mg/L	Sediment (Fresh water)	4,62 mg/kg
	Oral	2,36 g/kg	Sediment (Marine water)	1,23 mg/kg
3-aminomethyl-3,5,5-trimethylcyclohexylamine CAS: 2855-13-2 EC: 220-666-8	STP	3,18 mg/L	Fresh water	0,06 mg/L
	Soil	1,121 mg/kg	Marine water	0,006 mg/L
	Intermittent	0,23 mg/L	Sediment (Fresh water)	5,784 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,578 mg/kg
2-(2-aminoethylamino)ethanol CAS: 111-41-1 EC: 203-867-5	STP	82,2 mg/L	Fresh water	0,022 mg/L
	Soil	0,246 mg/kg	Marine water	0,0022 mg/L
	Intermittent	0,22 mg/L	Sediment (Fresh water)	1,3 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,13 mg/kg



8.2 Exposure controls:

A.- General security and hygiene measures in the work place



As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection



Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory respiratory tract protection	Filter mask for gases and vapours	 CAT III	EN 405:2001+A1:2009	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

C.- Specific protection for the hands



Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	NON-disposable chemical protective gloves	 CAT III	EN ISO 374-1:2016 EN 16523-1:2015 EN 420:2003+A1:2009	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.

"As the product is a mixture of several substances, the resistance of the glove material can not be predicted in advance with total reliability and has therefore to be checked prior to the application"

D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Face shield	 CAT II	EN 166:2001 EN 167:2001 EN 168:2001 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Body protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Disposable clothing for protection against chemical risks	 CAT III	EN 13034:2005+A1:2009 EN 168:2001 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN 464:1994	For professional use only. Clean periodically according to the manufacturer's instructions.

- CONTINUED ON NEXT PAGE -



SPECTRALOCK® Translucent Grout Part A
24-1200-0000-2A



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory foot protection	Safety footwear for protection against chemical risk	 CAT III	EN ISO 20345:2011 EN 13832-1:2019	Replace boots at any sign of deterioration.

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance:

Physical state at 20 °C: Liquid
Appearance: Dense
Colour: White
Odour: Odourless
Odour threshold: Non-applicable *

Volatility:

Boiling point at atmospheric pressure: 205 - 449 °C
Vapour pressure at 20 °C: 6 Pa
Vapour pressure at 50 °C: 69,63 Pa (0,07 kPa)
Evaporation rate at 20 °C: Non-applicable *

Product description:

Density at 20 °C: 1004,7 kg/m³
Relative density at 20 °C: 1,005
Dynamic viscosity at 20 °C: Non-applicable *
Kinematic viscosity at 20 °C: Non-applicable *
Kinematic viscosity at 40 °C: Non-applicable *
Concentration: Non-applicable *
pH: Non-applicable *
Vapour density at 20 °C: Non-applicable *
Partition coefficient n-octanol/water 20 °C: Non-applicable *
Solubility in water at 20 °C: Non-applicable *
Solubility properties: Non-applicable *
Decomposition temperature: Non-applicable *
Melting point/freezing point: Non-applicable *
Explosive properties: Non-applicable *
Oxidising properties: Non-applicable *

Flammability:

Flash Point: 102 °C (Does not maintain combustion)

*Not relevant due to the nature of the product, not providing information property of its hazards.

- CONTINUED ON NEXT PAGE -



SPECTRALOCK® Translucent Grout Part A
24-1200-0000-2A



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	345 °C
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
Explosive:	
Lower explosive limit:	Non-applicable *
Upper explosive limit:	Non-applicable *
9.2 Other information:	
Surface tension at 20 °C:	Non-applicable *
Refraction index:	Non-applicable *

*Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Precaution	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
- Corrosivity/Irritability: Corrosive product, if it is swallowed causes burns destroying the tissues. For more information about secondary effects from skin contact see section 2.

B- Inhalation (acute effect):

- Acute toxicity : Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Above all, skin contact may occur as fabrics of all thicknesses can be destroyed, resulting in burns. For more information on the secondary effects see section 2.
- Contact with the eyes: Produces serious eye damage after contact.

- CONTINUED ON NEXT PAGE -



SPECTRALOCK® Translucent Grout Part A
24-1200-0000-2A



SECTION 11: TOXICOLOGICAL INFORMATION (continued)

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
IARC: Non-applicable
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: May damage fertility. May damage the unborn child.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Other information:

Non-applicable

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
Benzyl alcohol CAS: 100-51-6 EC: 202-859-9	500 mg/kg	2500 mg/kg (ATEi)	Rat
		11 mg/L (4 h) (ATEi)	
2-piperazin-1-ylethylamine CAS: 140-31-8 EC: 205-411-0	2097 mg/kg	866 mg/kg	Rat
		Non-applicable	Rabbit
3-aminomethyl-3,5,5-trimethylcyclohexylamine CAS: 2855-13-2 EC: 220-666-8	1030 mg/kg	1100 mg/kg	Rat
		Non-applicable	
1,3-bis[3-(dimethylamino)propyl]urea CAS: 52338-87-1 EC: 257-861-2	5126 mg/kg	2050 mg/kg	Rat
		Non-applicable	Rat
4-nonylphenol, branched CAS: 84852-15-3 EC: 284-325-5	1412 mg/kg	Non-applicable	Rat
		Non-applicable	
		Non-applicable	
Trimethylhexane-1,6-diamine CAS: 25620-58-0 EC: 247-134-8	910 mg/kg	Non-applicable	Rat
		Non-applicable	
		Non-applicable	
2-(2-aminoethylamino)ethanol CAS: 111-41-1 EC: 203-867-5	3000 mg/kg	2250 mg/kg	Rat
		Non-applicable	Rat

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Toxicity:

- CONTINUED ON NEXT PAGE -



SPECTRALOCK® Translucent Grout Part A
24-1200-0000-2A



SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Species	Genus
Benzyl alcohol CAS: 100-51-6 EC: 202-859-9	LC50	646 mg/L (48 h)	Leuciscus idus	Fish
	EC50	400 mg/L (24 h)	Daphnia magna	Crustacean
	EC50	79 mg/L (3 h)	Scenedesmus subspicatus	Algae
2-piperazin-1-y lethylamine CAS: 140-31-8 EC: 205-411-0	LC50	2190 mg/L (96 h)	Pimephales promelas	Fish
	EC50	58 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1000 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
4-nonylphenol, branched CAS: 84852-15-3 EC: 284-325-5	LC50	0.05 mg/L (96 h)	Acipenser oxyrhynchus	Fish
	EC50	0.14 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	1.3 mg/L (72 h)	Scenedesmus subspicatus	Algae
Trimethylhexane-1,6-diamine CAS: 25620-58-0 EC: 247-134-8	LC50	1000 mg/L (96 h)	Danio rerio	Fish
	EC50	Non-applicable		
	EC50	29.5 mg/L (72 h)	Scenedesmus subspicatus	Algae
3-aminomethyl-3,5,5-trimethylcyclohexylamine CAS: 2855-13-2 EC: 220-666-8	LC50	110 mg/L (96 h)	Leuciscus idus	Fish
	EC50	388 mg/L (48 h)	N/A	Crustacean
	EC50	Non-applicable		
2-(2-aminoethylamino)ethanol CAS: 111-41-1 EC: 203-867-5	LC50	728 mg/L (96 h)	Pimephales promelas	Fish
	EC50	22 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	210 mg/L (72 h)	Scenedesmus subspicatus	Algae

12.2 Persistence and degradability:

Identification	Degradability		Biodegradability	
Benzyl alcohol CAS: 100-51-6 EC: 202-859-9	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	14 days
	BOD5/COD	Non-applicable	% Biodegradable	94 %
2-piperazin-1-y lethylamine CAS: 140-31-8 EC: 205-411-0	BOD5	Non-applicable	Concentration	30 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	0 %
3-aminomethyl-3,5,5-trimethylcyclohexylamine CAS: 2855-13-2 EC: 220-666-8	BOD5	Non-applicable	Concentration	7 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	8 %
2-(2-aminoethylamino)ethanol CAS: 111-41-1 EC: 203-867-5	BOD5	Non-applicable	Concentration	100 mg/L
	COD	Non-applicable	Period	14 days
	BOD5/COD	Non-applicable	% Biodegradable	0 %

12.3 Bioaccumulative potential:

Identification	Bioaccumulation potential	
Benzyl alcohol CAS: 100-51-6 EC: 202-859-9	BCF	0.3
	Pow Log	1.1
	Potential	Low
4-nonylphenol, branched CAS: 84852-15-3 EC: 284-325-5	BCF	231
	Pow Log	5.4
	Potential	High
2-(2-aminoethylamino)ethanol CAS: 111-41-1 EC: 203-867-5	BCF	0.05
	Pow Log	-1.39
	Potential	Low

12.4 Mobility in soil:

Identification	Absorption/desorption		Volatility	
Benzyl alcohol CAS: 100-51-6 EC: 202-859-9	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	3,679E-2 N/m (25 °C)	Moist soil	Non-applicable
2-piperazin-1-y lethylamine CAS: 140-31-8 EC: 205-411-0	Koc	37000	Henry	Non-applicable
	Conclusion	Immobile	Dry soil	Non-applicable
	Surface tension	4,001E-2 N/m (25 °C)	Moist soil	Non-applicable

- CONTINUED ON NEXT PAGE -



SPECTRALOCK® Translucent Grout Part A
24-1200-0000-2A



SECTION 12: ECOLOGICAL INFORMATION (continued)

Identification	Absorption/desorption		Volatility	
	Koc		Henry	
4-nonylphenol, branched CAS: 84852-15-3 EC: 284-325-5	Conclusion	Immobile	Dry soil	Yes
	Surface tension	Non-applicable	Moist soil	Yes
	Koc	22000	Henry	11,02 Pa·m ³ /mol
3-aminomethyl-3,5,5-trimethylcyclohexylamine CAS: 2855-13-2 EC: 220-666-8	Conclusion	Low	Dry soil	No
	Surface tension	Non-applicable	Moist soil	No
	Koc	928	Henry	4,46E-4 Pa·m ³ /mol
2-(2-aminoethylamino)ethanol CAS: 111-41-1 EC: 203-867-5	Conclusion	Very High	Dry soil	No
	Surface tension	4,3E-2 N/m (25 °C)	Moist soil	No
	Koc	4.2	Henry	1,115E-8 Pa·m ³ /mol

12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09	Dangerous

Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP6 Acute Toxicity, HP10 Toxic for reproduction, HP13 Sensitising, HP8 Corrosive

Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to ADR 2019 and RID 2019:



- 14.1 UN number:** UN2735
- 14.2 UN proper shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S. (2-piperazin-1-ylethylamine; 4-nonylphenol, branched)
- 14.3 Transport hazard class(es):** 8
- Labels:** 8
- 14.4 Packing group:** II
- 14.5 Environmental hazards:** Yes
- 14.6 Special precautions for user**
 - Special regulations: 274
 - Tunnel restriction code: E
 - Physico-Chemical properties: see section 9
 - Limited quantities: 1 L
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

Transport of dangerous goods by sea:

With regard to IMDG 39-18:

- CONTINUED ON NEXT PAGE -



SPECTRALOCK® Translucent Grout Part A
24-1200-0000-2A



SECTION 14: TRANSPORT INFORMATION (continued)



- 14.1 **UN number:** UN2735
- 14.2 **UN proper shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S. (2-piperazin-1-ylethylamine; 4-nonylphenol, branched)
- 14.3 **Transport hazard class(es):** 8
Labels: 8
- 14.4 **Packing group:** II
- 14.5 **Environmental hazards:** Yes
- 14.6 **Special precautions for user**
Special regulations: 274
EmS Codes: F-A, S-B
Physico-Chemical properties: see section 9
Limited quantities: 1 L
Segregation group: SGG18
- 14.7 **Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

Transport of dangerous goods by air:

With regard to IATA/ICAO 2020:



- 14.1 **UN number:** UN2735
- 14.2 **UN proper shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S. (2-piperazin-1-ylethylamine; 4-nonylphenol, branched)
- 14.3 **Transport hazard class(es):** 8
Labels: 8
- 14.4 **Packing group:** II
- 14.5 **Environmental hazards:** Yes
- 14.6 **Special precautions for user**
Physico-Chemical properties: see section 9
- 14.7 **Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

SECTION 15: REGULATORY INFORMATION

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

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains Benzyl alcohol.
Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): 4-nonylphenol, branched
Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable
Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable
Article 95, REGULATION (EU) No 528/2012: Benzyl alcohol (Product-type 6)
REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Contains 4-nonylphenol, branched

Seveso III:

Section	Description	Lower-tier requirements	Upper-tier requirements
E1		100	200

Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ...):



SPECTRALOCK® Translucent Grout Part A
24-1200-0000-2A



SECTION 15: REGULATORY INFORMATION (continued)

Product classified hazardous under the CMR. Sale and distribution to the general public is prohibited. Due to its CMR category, it is essential to apply the specific measures for workplace hazard prevention covered in articles 4 and 5 of the 2004/37/EC Directive and later modifications.

Contains more than 0.1 % of 4-nonylphenol, branched by weight. Shall not be placed on the market, or used, as substances or in mixtures in concentrations equal to or greater than 0,1 % by weight for the following purposes:

(1) industrial and institutional cleaning except:

- controlled closed dry cleaning systems where the washing liquid is recycled or incinerated,
- cleaning systems with special treatment where the washing liquid is recycled or incinerated.

(2) domestic cleaning;

(3) textiles and leather processing except:

- processing with no release into waste water,
- systems with special treatment where the process water is pre-treated to remove the organic fraction completely prior to biological waste water treatment (degreasing of sheepskin);

(4) emulsifier in agricultural teat dips;

(5) metal working except:

uses in controlled closed systems where the washing liquid is recycled or incinerated;

(6) manufacturing of pulp and paper;

(7) cosmetic products;

(8) other personal care products except:

spermicides;

(9) co-formulants in pesticides and biocides. However national authorisations for pesticides or biocidal products containing nonylphenol ethoxylates as co-formulant, granted before 17 July 2003, shall not be affected by this restriction until their date of expiry.

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

Other legislation:

The product could be affected by sectorial legislation

15.2 Chemical safety assessment:

The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830)

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Non-applicable

Texts of the legislative phrases mentioned in section 2:

H314: Causes severe skin burns and eye damage

H318: Causes serious eye damage

H317: May cause an allergic skin reaction

H400: Very toxic to aquatic life

H411: Toxic to aquatic life with long lasting effects

H360FD: May damage fertility. May damage the unborn child.

H302+H332: Harmful if swallowed or if inhaled

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself, they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

Acute Tox. 4: H302 - Harmful if swallowed

Acute Tox. 4: H302+H312 - Harmful if swallowed or in contact with skin

Acute Tox. 4: H302+H332 - Harmful if swallowed or if inhaled

Aquatic Acute 1: H400 - Very toxic to aquatic life

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects

Eye Dam. 1: H318 - Causes serious eye damage

Repr. 1B: H360FD - May damage fertility. May damage the unborn child.

Repr. 2: H361fd - Suspected of damaging fertility. Suspected of damaging the unborn child.

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage

Skin Corr. 1C: H314 - Causes severe skin burns and eye damage

Skin Sens. 1: H317 - May cause an allergic skin reaction

Classification procedure:

- CONTINUED ON NEXT PAGE -



SPECTRALOCK® Translucent Grout Part A
24-1200-0000-2A



SECTION 16: OTHER INFORMATION (continued)

Skin Corr. 1B: Calculation method
Eye Dam. 1: Calculation method
Skin Sens. 1: Calculation method
Aquatic Acute 1: Calculation method
Aquatic Chronic 2: Calculation method
Repr. 1B: Calculation method
Acute Tox. 4: Calculation method

Advice related to training:

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://echa.europa.eu>
<http://eur-lex.europa.eu>

Abbreviations and acronyms:

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5-day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol-water partition coefficient
Koc: Partition coefficient of organic carbon

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -