

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

1.1 Product identifier: DECO CIRE WHITE (Product code: 111382)

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

Relevant uses: Special coatings.

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:

Berling S.A. Thesi Agia Paraskevi 32011 Inofyta Viotias - Greece Phone.: +302262031663 - Fax: +302262031293 info@berling.gr www.berling.gr

1.4 Emergency telephone number: +30 210 7793 777 (Greek Poison Info Center)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

This product contains crystalline silica but due to its liquid state does not require classification (STOT RE)

CLP Regulation (EC) No 1272/2008:

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

2.2 Label elements:

CLP Regulation (EC) No 1272/2008:

Hazard statements:

Non-applicable

Precautionary statements:

Non-applicable

Supplementary information:

EUH208: Contains 2-octyl-2H-isothiazol-3-one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction

2.3 Other hazards:

Product fails to meet PBT/vPvB criteria

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Aqueous mixture composed of additives, fillers, pigments and resins

Components:

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

	Identification	Chemical name/Classification		Concentration	
CAS:		Cristobalite (RCS > 1) %) ⁽¹⁾	Self-classified	
EC: Index: REACH:	238-455-4 Non-applicable Non-applicable	Regulation 1272/2008	STOT RE 1: H372 - Danger		0,9 - <2,4 %

(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.

** Changes with regards to the previous version

SECTION 4: FIRST AID MEASURES



SECTION 4: FIRST AID MEASURES (continued)

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety data Sheet

By eye contact:

This product does not contain substances classified as hazardous for eye contact. Rinse eyes thoroughly for at least 15 minutes with lukewarm water, ensuring that the person affected does not rub or close their eyes.

By ingestion/aspiration:

In case of consumption, seek immediate medical assistance showing the SDS for the product.

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:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.

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

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.:5 °CMaximum Temp.:35 °CMaximum time:0 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

Identification	Environmental limits		
Ethylbenzene	IOELV (8h)	100 ppm	442 mg/m ³
CAS: 100-41-4 EC: 202-849-4	IOELV (STEL)	200 ppm	884 mg/m ³
2-butoxyethanol	IOELV (8h)	20 ppm	98 mg/m ³
CAS: 111-76-2 EC: 203-905-0	IOELV (STEL)	50 ppm	246 mg/m ³

DNEL (Workers):

Non-applicable

DNEL (General population):

Non-applicable

PNEC:

Non-applicable

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

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands



Pictogram	PPE	Labelling	CEN Standard		Remarks
Mandatory hand protection	Protective gloves agai minor risks	nst CAT I		prol profe	ace gloves in case of any sign of damage onged periods of exposure to the produc ssional users/industrials, we recommend CE III gloves in line with standards EN 20:2003+A1:2009 and EN ISO 374-1:201
				rial can	not be predicted in advance with
D Ocular and facial	s therefore to be chec	ked prior to the appli	cation"		
Pictogram	PPE	Labelling	CEN Standard		Remarks
		Laborning			
Mandatory face protection	Panoramic glasses aga splash/projections.	inst	EN 166:2001 EN ISO 4007:2018		daily and disinfect periodically according facturer´s instructions. Use if there is a r splashing.
E Body protection					
Pictogram	PPE	Labelling	CEN Standard		Remarks
	Work clothing	CAT I		peri profes in	lace before any evidence of deterioration. ods of prolonged exposure to the product ssional/industrial users CE III is recomme accordance with the regulations in EN IS 2013, EN ISO 6530:2005, EN ISO 13688: EN 464:1994.
	Anti-slip work shoe		EN ISO 20347:2012	peri profes	ace before any evidence of deterioration. ods of prolonged exposure to the product ssional/industrial users CE III is recomme accordance with the regulations in EN IS 20345:2012 y EN 13832-1:2007
F Additional emerg	ency measures			•	
Emergency me	easure	Standards	Emergency mea	sure	Standards
Emergency st		ANSI Z358-1 4-1:2011, ISO 3864-4:201	1 Eyewash statio	ons	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:201
Environmental exp	posure controls:				
	and its container. For		of the environment it is see subsection 7.1.D	recomn	nended to avoid environmental sp
With regard to Direct	tive 2010/75/EU, this	product has the follov	ving characteristics:		
V.O.C. (Supply):	1	Not available			
V.O.C. density at	: 25 ºC:	Not available			

V.O.C. density at 25 °C:	Not available
Average carbon number:	Not available
Average molecular weight:	Not available
With regard to Directive 2004/42/EC, this	s product which is ready to use has the following characteristics:
V.O.C. density at 25 °C:	30 kg/m ³ (30 g/L)
EU limit for the product (Cat. A.L): 2	200 g/L (2010)

Non-applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

For complete information see the product datasheet.

Appearance:

Components:

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



SECT	SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)				
	Physical state at 20 ºC:	Liquid			
	Appearance:	Not available			
	Colour:	Not available			
	Odour:	Not available			
	Odour threshold:	Non-applicable *			
	Volatility:				
	Boiling point at atmospheric pressure:	106 °C			
	Vapour pressure at 25 °C:	3132 Pa			
	Vapour pressure at 50 °C:	12179,44 Pa (12,18 kPa)			
	Evaporation rate at 25 °C:	Non-applicable *			
	Product description:				
	Density at 25 °C:	1720 - 1780 kg/m³			
	Relative density at 25 °C:	Non-applicable *			
	Dynamic viscosity at 25 °C:	Non-applicable *			
	Kinematic viscosity at 25 °C:	Non-applicable *			
	Kinematic viscosity at 40 °C:	Non-applicable *			
	Concentration:	Non-applicable *			
	pH:	Non-applicable *			
	Vapour density at 25 °C:	Non-applicable *			
	Partition coefficient n-octanol/water 25 °C:	Non-applicable *			
	Solubility in water at 25 °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:	Non Flammable (>60 °C)			
	Flammability (solid, gas):	Non-applicable *			
	Autoignition temperature:	238 °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 25 °C:	Non-applicable *			
	Refraction index:	Non-applicable *			

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

STABILITY AND REACTIVITY	TON 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.



SECTION 10: STABILITY AND REACTIVITY (continued)

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	Not applicable	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 : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.
 - Corrosivity/Irritability: 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.
- B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.

- Corrosivity/Irritability: 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.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for skin contact. For more information see section 3.
 - Contact with the eyes: 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.
- 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: Titanium dioxide (2B); Ethylbenzene (2B); Quartz (RCS > 10%) (1); 2-butoxyethanol (3)
- 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: 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.
- 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: 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.

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.

** Changes with regards to the previous version



SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)

- 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. However, it contains substances classified as dangerous for inhalation. 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 to		te toxicity	Genus
Cristobalite (RCS > 10 %)	LD50 oral	>2000 mg/kg	
CAS: 14464-46-1	LD50 dermal	>2000 mg/kg	
EC: 238-455-4	LC50 inhalation	>5 mg/L (4 h)	

** Changes with regards to the previous version

SECTION 12: ECOLOGICAL INFORMATION

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

12.1 Toxicity:

Not available

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Not available

- **12.4 Mobility in soil:** Not available
- **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 01 11* waste paint and varnish containing organic solvents or other hazardous substances		Dangerous

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

HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP6 Acute Toxicity

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: Non-applicable 14.2 UN proper shipping name: Non-applicable 14.3 Transport hazard class(es): Non-applicable Non-applicable Labels¹ 14.4 Packing group: Non-applicable 14.5 Environmental hazards: No 14.6 Special precautions for user Non-applicable Special regulations: Tunnel restriction code: Non-applicable Physico-Chemical properties: see section 9 Non-applicable Limited quantities: 14.7 Transport in bulk according to Non-applicable Annex II of Marpol and the **IBC Code:** Transport of dangerous goods by sea: With regard to IMDG 39-18: 14.1 UN number: Non-applicable 14.2 UN proper shipping name: Non-applicable 14.3 Transport hazard class(es): Non-applicable Non-applicable Labels¹ Non-applicable 14.4 Packing group: 14.5 Environmental hazards: No 14.6 Special precautions for user Special regulations: Non-applicable EmS Codes: Physico-Chemical properties: see section 9 Limited quantities: Non-applicable Segregation group: Non-applicable 14.7 Transport in bulk according to Non-applicable Annex II of Marpol and the **IBC Code:** Transport of dangerous goods by air: With regard to IATA/ICAO 2020: 14.1 UN number: Non-applicable Non-applicable 14.2 UN proper shipping name: Non-applicable 14.3 Transport hazard class(es): Non-applicable Labels: 14.4 Packing group: Non-applicable 14.5 Environmental hazards: No 14.6 Special precautions for user Physico-Chemical properties: see section 9 14.7 Transport in bulk according to Non-applicable Annex II of Marpol and the **IBC Code:**

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 reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 2-methyl-2H-isothiazol-3-one, 1,2-benzisothiazol-3(2H)-one, (ethylenedioxy)dimethanol, Pyrithione zinc, 2-octyl-2H-isothiazol-3-one.

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable



SECTION 15: REGULATORY INFORMATION (continued)

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: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

Seveso III:

Non-applicable

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

Occupational exposure to respirable crystalline silica must be controlled pursuant to Directive (EU) 2019/130.

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.:

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11):

- New declared substances
- Cristobalite (RCS > 10 %) (14464-46-1)
- Removed substances

Cristobalite (1 % < RCS < 10 %) (14464-46-1)

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:

STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure (Inhalation)

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



Product safety information sheet prepared in accordance with Article 32 of Regulation (EC) 1907/2006 (REACH); this document does not constitute a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006, as a Safety Data Sheet is not mandatory for this product 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 -