

Safety Data Sheet according to Regulation (EC) 'No. 2020/878



billbruck **Flowcrete** **Nullifire** **Vandex** **TREMCO** **Dryvit** **Nudura**

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1	Product Identifier	EUCO QWIKJOINT UVR PART B	Revision Date:	27/03/2023
	Product Name:	Euco Qwikjoint UVR Part B - Any Color	Supersedes Date:	28/01/2022
			Version Number:	1.0
	UFI Code:	TEC1-Y0A4-8004-KP3C		
	Nanoform:	No		
1.2	Relevant identified uses of the substance or mixture and uses advised against	For use by appropriately trained applicators. Advised against: Home DIY applications, because of the health hazards and training required. Hardener for 2 component coatings - Industrial and professional use. Advised against: others than recommended		
1.3	Details of the supplier of the safety data sheet			
	Manufacturer:	Tremco CPG Poland Sp. z o. o. Ul. Marywilska 34 03-228 Warszawa Polska		
		Tel: +48 22 879 8907 Fax: +48 22 879 8918 ehs.uk@flowcrete.com www.flowcrete.com.pl/		
	Datasheet Produced by:	ehs.uk@flowcrete.com		
1.4	Emergency telephone number:	CHEMTREC +1 703 5273887 (Outside US)		

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

HAZARD STATEMENTS

Allergic effects	EUH208
Serious Eye Damage, category 1	H318
Reproductive_ToxicityFD_category_1B	H360FD
Hazardous to the aquatic environment, Chronic, category 2	H411

2.2 Label elements

Symbol(s) of Product



Signal Word

Danger

Named Chemicals on Label

Dibutyltin dilaurate, 1,1',1",1""-Ethylenedinitrilotetrapropan-2-ol

HAZARD STATEMENTS

Allergic effects	EUH208	Contains Dibutyltin dilaurate, Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, poly(oxy-1,2-ethanediyl),.alph., poly(oxy-1,2-ethanediyl),alpha. May produce an allergic reaction.
Serious Eye Damage, category 1	H318	Causes serious eye damage.
Reproductive_ToxicityFD_category_1B	H360FD	May damage fertility. May damage the unborn child.
Hazardous to the aquatic environment, Chronic, category 2	H411	Toxic to aquatic life with long lasting effects.

PRECAUTION PHRASES

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	Wear respiratory protection.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention
P391	Collect spillage.

2.3 Other hazards

No Information

Results of PBT and vPvB assessment:

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

Endocrine disrupting properties - Toxicity

Name According to EEC	CAS-No.
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No Information

Endocrine disrupting properties - Ecotoxicity

Name According to EEC	CAS-No.
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No Information

SECTION 3: Composition/Information On Ingredients**3.1 Substances**

Not applicable

3.2 Mixtures**Hazardous ingredients**

<u>Name According to EEC</u> <u>EINEC No.</u> <u>CAS-No.</u> <u>REACH Reg No.</u>	<u>%</u>	<u>Classifications</u>	SCL Value: ATE Value: M-Factor:
Diethylmethylbenzenediamine 270-877-4 68479-98-1 01-2119486805-25	2.5 - <10	H302-312-319-373-400-410 Acute Tox. 4 Dermal, Acute Tox. 4 Oral, Aquatic Acute 1, Aquatic Chronic 1, Eye Irrit. 2, STOT RE 2	SCL Value: - ATE Value: - M-Factor: -
1,1',1",1""-Ethylenedinitrilotetrapropan-2-ol 203-041-4 102-60-3 01-2119552434-41	2.5 - <10	H318 Eye Dam. 1	SCL Value: - ATE Value: - M-Factor: -
Silicon dioxide (amorphous) 231-545-4 7631-86-9 01-2119379499-16	1.0 - <2.5		SCL Value: - ATE Value: - M-Factor: -

trymethylolpropane 77-99-6 No Information	1.0 - <2.5	H361fd Repr. 2	SCL Value: - ATE Value: - M-Factor: -
Dibutyltin dilaurate 201-039-8 77-58-7 01-2119496068-27	0.1 - <1.0	H314-317-341-360FD-370-410 Aquatic Chronic 1, Muta. 2, Repr. 1B, Skin Corr. 1, Skin Sens. 1, STOT SE 1	SCL Value: - ATE Value: - M-Factor: -
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate 255-437-1 41556-26-7 05-2114518065-56	0.1 - <1.0	H317-400-410 Aquatic Acute 1, Aquatic Chronic 1, Skin Sens. 1	SCL Value: - ATE Value: - M-Factor: -
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate 280-060-4 82919-37-7 05-2114345536-43	<0.1	H317-400-410 Aquatic Acute 1, Aquatic Chronic 1, Skin Sens. 1	SCL Value: - ATE Value: - M-Factor: -

Distillates (petroleum), hydrotreated heavy naphthenic 265-155-0 265-155-0 64742-52-5 No Information	<0.1	H350 Carc. 1A	SCL Value: - ATE Value: - M-Factor: -
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Additional Information: The text for CLP Hazard Statements shown above (if any) is given in Section 16.

SECTION 4: First-aid Measures

4.1 Description of First Aid Measures

GENERAL NOTES: When symptoms persist or in all cases of doubt seek medical advice.

AFTER INHALATION: Move to fresh air. Consult a physician after significant exposure.

AFTER SKIN CONTACT: Use a mild soap if available. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

AFTER EYE CONTACT: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.

AFTER INGESTION: Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Never give anything by mouth to an unconscious person.

Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

No Information

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam

FOR SAFETY REASONS NOT TO BE USED: Alcohol, Alcohol based solutions, any other media not listed above.

5.2 Special hazards arising from the substance or mixture

No Information

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Dry powderFoamCarbon dioxide (CO2).

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Ensure adequate ventilation. Use personal protective equipment.

6.1.2 For emergency responders

No Information

6.2 Environmental precautions

No Information

6.3 Methods and material for containment and cleaning up

Pick up and transfer to properly labelled containers. No special environmental precautions required. After cleaning, flush away traces with water.

6.4 Reference to other sections

FURTHER INSTRUCTIONS: Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 8 and 13 for further information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Avoid prolonged contact with eyes, skin and clothing.

When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: Direct sources of heat.

STORAGE CONDITIONS: Keep tightly closed in a dry and cool place.

7.3 Specific end use(s)

Component of a resin flooring product. The mixing and application to be in accordance with the technical data sheets.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with Occupational Exposure Limits (UK WELS)

Name	CAS-No.	LTEL ppm	STEL ppm	STEL mg/m3	LTEL mg/m3
Diethylmethylbenzenediamine	68479-98-1				
1,1',1",1""-Ethylenedinitrilotetrapropan-2-ol	102-60-3				
Silicon dioxide (amorphous)	7631-86-9				6
trymethylolpropane	77-99-6				
Dibutyltin dilaurate	77-58-7				
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7				
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	82919-37-7				
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5				

Name	CAS-No.	OEL Note
Diethylmethylbenzenediamine	68479-98-1	
1,1',1",1""-Ethylenedinitrilotetrapropan-2-ol	102-60-3	
Silicon dioxide (amorphous)	7631-86-9	
trymethylolpropane	77-99-6	
Dibutyltin dilaurate	77-58-7	
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	
Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	82919-37-7	

Distillates (petroleum), hydrotreated heavy naphthenic 64742-52-5

FURTHER ADVICE: Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified under the EU CLP Regulation.

Chemical Name:

Diethylmethylbenzenediamine

EC No.:

270-877-4

CAS-No.:

68479-98-1

DNELs - Derived no effect level

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral		Not required						
Inhalation				0.13 mg/m ³				
Dermal				1 mg/kg				

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.0005 mg/l
Fresh water sediments	0.029 mg/kg
Marine water	0.00005 mg/l
Marine sediments	0.0029 mg/kg
Food chain	
Microorganisms in sewage treatment	17 mg/l
soil (agricultural)	0.0056 mg/kg
Air	

Chemical Name:

Dibutyltin dilaurate

EC No.:

201-039-8

CAS-No.:

77-58-7

DNELs - Derived no effect level

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral		Not required				0.02 mg/kg		0.002 mg/kg
Inhalation			0.02 mg/m ³			0.04 mg/m ³	0.006 mg/m ³	
Dermal		2.08 mg/kg	0.42 mg/kg			1 mg/kg		0.16 mg/kg

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	
Fresh water sediments	0.05 mg/kg
Marine water	
Marine sediments	0.005 mg/kg
Food chain	
Microorganisms in sewage treatment	100 mg/l
soil (agricultural)	0.0407 mg/kg
Air	

8.2 Exposure controls

Personal Protection

RESPIRATORY PROTECTION: Respirator with a vapour filter (EN 14387:2004+A1:2008). In case of insufficient ventilation wear suitable respiratory equipment.

EYE PROTECTION: Tightly fitting safety goggles. Safety glasses with side-shields conforming to EN 166.

HAND PROTECTION: Use chemical resistant gloves (EN 374): Nitrile rubber; thickness >=0,5 mm; breakthrough time >= 480 min. Long sleeved clothing.

OTHER PROTECTIVE EQUIPMENT: No Information

ENGINEERING CONTROLS: Ensure adequate ventilation, especially in confined areas.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Colour:	Colored resin
Physical State	Liquid
Odor	Mild pungent
Odor threshold	Not determined
pH	Not determined
Melting point / freezing point (°C)	Not determined
Boiling point or initial boiling point and boiling range (°C)	100 - N.D.
Flash Point, (°C)	93
Evaporation rate	Not determined
Flammability (solid, gas)	No
Lower and upper explosive limit	N/A - N/A
Vapour Pressure	Not determined
Relative vapour density	Heavier than air
Density and/or relative density	1.1
Solubility in / Miscibility with water	Insoluble
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature (°C)	Not determined
Decomposition temperature (°C)	Not determined
Kinematic viscosity	Not determined
Particle characteristics	Not applicable to liquids

9.2 Other information

VOC Content g/l:	< 5 g/L (A+B)
Specific Gravity (g/cm3)	1.100

SECTION 10: Stability and Reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4 Conditions to avoid

Direct sources of heat.

10.5 Incompatible materials

No Information

10.6 Hazardous decomposition products

Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute Toxicity:

Oral LD50:	5854 mg/kg
Inhalation LC50:	No information available.
Dermal LD50:	No Information
Irritation:	No Information
Corrosivity:	Causes serious eye damage.
Sensitization:	May cause an allergic skin reaction.
Repeated dose toxicity:	No information available.
Carcinogenicity:	No information available.
Mutagenicity:	No information available.
Toxicity for reproduction:	No information available.
STOT-single exposure:	No information available.
STOT-repeated exposure:	No information available.
Aspiration hazard:	No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested.
Data on individual components are tabulated below:

CAS-No.	Name According to EEC	Oral LD50	Dermal LD50	Vapor LC50	Gas LC50	Dust/Mist LC50
102-60-3	1,1',1",1""-Ethylenedinitrilotetrapropan-2-ol	>2000 mg/kg (rat)	>2000 mg/kg (rabbit)		0.000	0.000
7631-86-9	Silicon dioxide (amorphous)	3160 mg/kg, rat			0.000	0.000
77-58-7	Dibutyltin dilaurate	2071 mg/kg (rat)	> 2000 mg/kg (rat)		0.000	0.000
41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	2615 mg/kg			0.000	0.000

Additional Information:

This product may contain Titanium Dioxide, which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. This classification is relevant when exposed to titanium dioxide in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

11.2 Information on other hazards

Endocrine disrupting properties - Toxicity

Name According to EEC	CAS-No.
No Information	

SECTION 12: Ecological Information

12.1 Toxicity:

EC50 48hr (Daphnia): No information
IC50 72hr (Algae): No information
LC50 96hr (fish): No information

12.2 Persistence and degradability: No information

12.3 Bioaccumulative potential: No information

12.4 Mobility in soil: No information

12.5 Results of PBT and vPvB assessment: The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

12.6 Endocrine disrupting properties

Endocrine disrupting properties - Ecotoxicity

Name According to EEC **CAS-No.**
No Information

12.7 Other adverse effects: Harmful to aquatic organisms.

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>
68479-98-1	Diethylmethylbenzenediamine	No information	No information	
102-60-3	1,1',1",1""-Ethylenedinitrilotetrapropan-2-ol	No information	No information	
7631-86-9	Silicon dioxide (amorphous)	No information	No information	
77-99-6	trymethylolpropane	No information	No information	
77-58-7	Dibutyltin dilaurate	463 µg/L	No information	2 mg/l
41556-26-7	Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	No information	No information	
82919-37-7	Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	No information	No information	
64742-52-5	Distillates (petroleum), hydrotreated heavy naphthenic	No information	No information	

SECTION 13: Disposal Considerations

13.1 WASTE TREATMENT METHODS: If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

European Waste Code: 080111
Packaging Waste Code: 150110

SECTION 14: Transport Information

		ADR/RID	ADN	IMDG	IATA
14.1	UN-number or ID number	No Information	No Information	No Information	No Information
14.2	UN proper shipping name	Not regulated for transport according to U.S. DOT, ADR/RID, IMDG, and IATA regulations.	Not regulated for transport according to U.S. DOT, ADR/RID, IMDG, and IATA regulations.	Not regulated for transport according to U.S. DOT, ADR/RID, IMDG, and IATA regulations.	Not regulated for transport according to U.S. DOT, ADR/RID, IMDG, and IATA regulations.
14.3	Transport Hazard Class(es)	No Information	No Information	No Information	No Information
14.4	Packing Group	No Information	No Information	No Information	No Information
14.5	Environmental Hazards	No Information	No Information	No Information	No Information

14.6 **Special precautions for user** Not applicable
EmS-No.: Not applicable

14.7 **Maritime transport in bulk according to IMO instruments** Not applicable

SECTION 15: Regulatory Information

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

National Regulations:

Denmark Product Registration Number: Not available

Danish MAL Code: Not available

Danish MAL Code - Mixture: Not available

Sweden Product Registration Number: Not available

Norway Product Registration Number: Not available

Germany WGK Class: Not available

Directive 2004/42/CE : < 5 g/L (A+B)

Covered by Directive 2012/18/EC (Seveso III): Not applicable

Restrictions to product or to substances according to Annex XVII, Regulation (CE) 1907/2006: Not applicable

Annex XIV, Regulation (CE) 1907/2006 - Authorisation List:

CAS-No. **Name According to EEC**

Not Applicable

SVHC - Substances of very high concern (Candidate List - Art. 59 REACH):

CAS-No. **Name According to EEC**

Not Applicable

15.2 Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other Information

Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H360FD	May damage fertility. May damage the unborn child.
H361fd	Suspected of damaging fertility or the unborn child.
H370	Causes damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Reasons for revision

Revision Description Changed

Substance and/or Product Properties Changed in Section(s) :

- 01 - Identification
- 02 - Hazard Identification
- 03 - Composition/Information On Ingredients
- 08 - Exposure Controls/Personal Protection
- 09 - Physical and Chemical Properties
- 11 - Toxicological Information
- 14 - Transportation Information
- 15 - Regulatory Information

Substance Regulatory CAS Number Changed

Substance Hazardous Flag Changed

Substance Hazard Threshold % Changed

Revision Statement(s) Changed

This is a new Safety Data Sheet (SDS).

List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

- The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark.
- Joint Research Centre in Ispra, Italy.
- Regulation (EC) 1272/2008 with subsequent amendments.
- Regulation (EC) 1272/2006 with subsequent amendments.

- Commission Regulation (EU) 2020/878
- EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"
- Safety Data Sheet from raw material supplier
- The classification declared in sec. 2.2 is based on the calculation methods set out in Annex I and Annex II of the CLP Reg. 1272/2008 on the composition of the formula.

Acronym & Abbreviation Key:

CLP	Classification, Labeling & Packaging Regulation
EC	European Commission
EU	European Union
US	United States
CAS	Chemical Abstract Service
EINECS	European Inventory of Existing Chemical Substances
REACH	Registration, Evaluation, Authorization of Chemicals Regulation
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
LTEL	Long term exposure limit
STEL	Short term exposure limit
OEL	Occupational exposure limit
ppm	Parts per million
mg/m ³	Milligrams per cubic meter
TLV	Threshold Limit Value
ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety & Health Administration
PEL	Permissible Exposure Limits
VOC	Volatile organic compounds
g/l	Grams per liter
mg/kg	Milligrams per kilogram
N/A	Not applicable
LD50	Lethal dose at 50%
LC50	Lethal concentration at 50%
EC50	Half maximal effective concentration
IC50	Half maximal inhibitory concentration
PBT	Persistent bioaccumulative toxic chemical
vPvB	Very persistent and very bioaccumulative
EEC	European Economic Community
ADR	International Transport of Dangerous Goods by Road
RID	International Transport of Dangerous Goods by Rail
UN	United Nations
IMDG	International Maritime Dangerous Goods Code
IATA	International Air Transport Association
MARPOL	International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978
IBC	International Bulk Container
RTI	Respiratory Tract Irritation
NE	Narcotic Effects
IMO	International Maritime Organization
Note P:	The classification as a carcinogen or mutagen need not apply; the substance contains less than 0,1 % w/w benzene
Note 10:	The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm.

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.