

	<b>Material Safety Data Sheet</b> According to Commission regulation (EU) 2020/878 and article 31 EU REACH Regulation	Revision: 06.05.2024
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name: **ULTRALIT FLEX PU50 FC**

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

**Relevant identified uses:** Adhesive, sealants.

**Uses advised against:** No data available

### 1.3 Details of the supplier of the safety data sheet:

**Supplier:**

**ULTRALIT WORLDWIDE DISTRBUTION**

**Street address:**

Parowcowa 4C Street

**Country/Postcode:**

Poland, 02-445 Warszawa

**Telephone number:**

+48 22 814 74 81/ +48 22 614 52 04

**E-mail:**

info@ultralit.eu

### 1.4 Emergency telephone number:

112

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Mixture:**

Classification according to Regulation (EC) No 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC1272/2008 (CLP).

### 2.2 Label elements

**Supplemental information on the label:**

EUH208 Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine, trimethoxyvinylsilane, 1-methyl 1,2,2,6,6-pentamethylpiperidin-4-yl decanedioate bis(1,2,2,6,6-pentamethylpiperidin-4-yl)decanedioate. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

**Hazard pictograms:** not applicable

**Signal word:** not applicable

**Hazard statements:** not applicable

**Precautionary statements:** not applicable

### 2.3 Other hazards

The mixture does not contain substances meeting the PBT or vPvB criteria in accordance with Annex XIII of the REACH Regulation in a concentration  $\geq 0.1\%$  w/w.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

**3.1 Substances:** Not applicable.

**3.2 Mixtures:**

Name	Identifiers	[%]	Classification according to Regulation (CLP).
<b>Fatty acids, C16-C18</b>	Index No: - EC No: 266-928-5 CAS No: 67701-03-5 REACH Registration No:-	1-2,4	Skin Irrit.2 H315 Eye Irrit.2 H319
<b>N-(3-(trimethoxysilyl)propyl)ethylenediamine</b>	Index No: - EC No: 217-164-6 CAS No: 1760-24-3	<1,0	Skin Sens.1 H317 Eye Dam.1 H318 Acute Tox.4 H332

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	REACH Registration No:		
<b>trimethoxyvinylsilane</b>	Index No: 014-049-00-0 EC No: 220-449-8 CAS No: 2768-02-7 REACH Registration No: 01-2119513215-52-XXXX	<0,5	Falm .Liq.2 H225 Skin Sens.1B H317 Acute Tox.4 H332
<b>1-methyl 1,2,2,6,6-pentamethylpiperidin-4-yl decanedioate bis(1,2,2,6,6-pentamethylpiperidin-4-yl)decanedioate</b>	Index No: - EC No: 915-687-0 CAS No: 1065336-91-5 REACH Registration No:-	<0,2	Skin Sens.1 H317 Repr.2 H361fd Aquatic Acute1 H400 (M=1) Aquatic Chronic1 H410 (M=1)
<b>Methanol</b>	Index No: 603-001-00-X EC No: 200-659-6 CAS No: 67-56-1 REACH Registration No:-	<0,1	EU Limits Values Flam. Liq. 2 H225 Acute Tox. 3 H301 Acute Tox. 3 H311 Acute Tox. 3 H331 STOT SE 1 H370 Specyficzne stężenie graniczne: STOT SE 1; H370:C≥10 % STOT SE 2; H371:3% ≤C<10%

\*A registration number is not available for this substance as the substance is exempted from registration or the annual tonnage does not require a registration.

The Full Text for all H-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Following eye contact:** Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention if symptoms occur after washing.

**Following inhalation:** Move the exposed person to fresh air at once. Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. Get medical attention if any discomfort continues.

**Following skin contact:** Immediately remove contaminated clothing. Wash the skin with soap and water. Contaminated clothing should be washed before re-use. Get medical attention promptly if symptoms occur and persists after washing.

**Following ingestion:** Do not induce vomiting, get medical attention. Never give anything by mouth to an unconscious person. Seek medical advice. Provide ventilation. Call a poison centre or a doctor if you feel unwell.

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

May produce an allergic reaction.

### 4.3. Indication of any immediate medical attention and special treatment needed

If any symptoms persist seek medical advice and show the msds or label.

**Notes for the doctor:** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media:** foam, carbon dioxide, dry powder, water spray.

**Unsuitable extinguishing media:** do not use water in a jet.

### 5.2 Special hazards arising from the substance or mixture

Thermal decomposition or combustion may liberate toxic fumes. Do not inhale combustion gases.

### 5.3 Advice for firefighters

**Special Fire Fighting Procedures:** Wear full protective clothing and self-contained breathing apparatus.

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**Protective equipment for fire-fighters:** Keep containers cool by spraying with water. If possible, remove containers from the danger zone. Prevent from spreading or entering drains, ditches or rivers. Dispose of released and contained material in accordance with local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel:

Removed from the danger area all persons not involved in the emergency. If necessary, order the evacuation. Avoid contact with skin, eyes. Avoid inhalation of vapours/dust. Provide ventilation.

#### For emergency responders:

Wear protective clothing as described in Section 8.

### 6.2 Environmental precautions

Do not discharge into drains, water courses or into the ground. Local authorities should be advised if any exposure to the environment occurs.

### 6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (eg. sawdust, sand). Collect in a waste container. Dispose of waste according to the applicable local and national regulation. Ventilate the area with fresh air.

### 6.4 Reference to other sections

See Section 8 for information on personal protective equipment.

See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Protective measures:

Use only in a well-ventilated area. Avoid breathing vapor/dust. Avoid contact with eyes, skin. When handling, use appropriate personal protective equipment (see Section 8). Keep away from heat. Do not smoke! When using do not eat or drink.

#### Advice on general occupational hygiene:

Ensure good ventilation / exhaustion at the workplace. When using do not eat, drink or smoke. Wash hand before and after work with product. Contaminated clothing should be washed before re-use.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks, sunlight, open flame and smoking.

### 7.3 Specific end use(s)

Sealant.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

International Limits Values:

Please check any national occupational exposure limit values in your country.

Substance	CAS No:	Basis / Country	Short Time Value [mg/m <sup>3</sup> ]	Short Time Value [ppm-Calculated]	Time Weighted Average Exposure Limit [mg/m <sup>3</sup> -8 h]	Time Weighted Average Exposure Limit [ppm-Calculated]
Methanol	67-56-1	EU	-	-	260	200
		Belgium	333	250	266	200
		Denmark	520	400	260	200
		France	-	-	260	200
		Germany	260	200	130	100

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		Italy	-	-	260	200
<b>Carbon black</b>	1333-86-4	Belgium	-	-	3	-
		Denmark	7	-	3,5	-
		France	-	-	3,5	-
		Spain	-	-	3,5	-
<b>Propan-2-ol</b>	67-63-0	Belgium	1000	400	500	200
		Denmark	980	400	490	200
		France	980	400	-	-
		Germany	1000	400	500	200
		Spain	1000	400	500	200
<b>Aluminium oxides</b>	1344-28-1	Denmark	5	-	10	-
		France	-	-	10	-
		Germany	-	-	4 (inhalable) 1,5(respirable)	-
		Hungary	-	-	5	-
		Latvia	-	-	6	-
		Romania	5	-	2	-
<b>Calcium carbonate</b>	471-34-1	France	-	-	10	-
		Latvia	-	-	6	-
<b>di isononylphthalate</b>	4083-64-1	Denmark	-	-	3	-
		Ireland	-	-	5	-

#### **N-(3-(trimethoxysilyl)propyl)ethylenediamine**

PNEC

Fresh water 62 µg/l

Marine water 6.2 µg/l

Freshwater sediment 220 µg/kg

Seawater sediment 22 µg/kg

Soil 8,5 µg/l

STP 25 mg/l

#### **trimethoxyvinylsilane**

PNEC

Fresh water 400 µg/l

Marine water 40 µg/l

Freshwater sediment 1,5 mg/kg

Seawater sediment 150µg/kg

Soil 60 µg/kg

STP 6,6 mg/l

#### **1, 1-methyl 1,2,2,6,6-pentamethylpiperidin-4-yl decanedioate bis(1,2,2,6,6-pentamethylpiperidin-4-yl)decanedioate**

PNEC

Fresh water 2,2 µg/l

Marine water 220 ng/l

Freshwater sediment 1,05 mg/kg

Seawater sediment 110 µg/kg

Soil 210 µg/kg

STP 1,0 mg/l

#### **DNEL N-(3-(trimethoxysilyl)propyl)ethylenediamine**

Workers

Long Term, systemic effects, inhalation: 680.000 µg/m<sup>3</sup>

Short Term, systemic effects, inhalation: 260.000 mg/m<sup>3</sup>

Long Term, local effects, inhalation: 600.000 µg/m<sup>3</sup>

Short Term, local effects, inhalation: 5.360 mg/m<sup>3</sup>

Consumers

Long Term, systemic effects, inhalation: 50,000 mg/m<sup>3</sup>

Short Term, systemic effects, inhalation: 50.000 mg/m<sup>3</sup>

Long Term, local effects, inhalation: 100.000 µg/m<sup>3</sup>

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Short Term, local effects, inhalation: 4.000 mg/m<sup>3</sup>

Long Term, systemic effects, oral: 8.000 mg/m<sup>3</sup>

**DNEL trimethoxyvinylsilane**

Workers

Long Term, systemic effects, inhalation: 680.000 µg/m<sup>3</sup>

Long Term, systemic effects, dermal: 500.000 µg/kg

Consumers

Long Term, systemic effects, inhalation: 170.000 µg/m<sup>3</sup>

Long Term, systemic effects, dermal: 250.000 µg/kg

Long Term, systemic effects, oral: 50.000 µg/kg

**8.2 Exposure controls**

**Appropriate engineering controls**

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Not needed for normal use.

**Skin protection:**

Hand protection: Not needed for normal use.

Other: Wear protective clothing. Contaminated clothing should be washed before re-use.

**Respiratory protection:** Not needed for normal use.

**Thermal hazards:** Protection is not required; the product poses no thermal risk.

**Environmental exposure controls**

Local guidelines on emission limits for volatile substances must be observed for the discharge of exhaust air containing vapour. Do not discharge into drains, water courses or into the ground. Local authorities should be advised if any exposure to the environment occurs.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Physical state	Liquid
Colour	In compliance with the Product description
Odour	Light
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	>300°C
Flammability	No data available
Lower and upper explosion limit	No data available
Flash point	>60°C
Auto-ignition temperature	420°C
Decomposition temperature	No data available
pH	No data available
Kinematic viscosity	No data available
Solubility	Miscible with water
Partition coefficient n-octanol/water (log value)	No data available
Vapour pressure	No data available
Density and/or relative density	1.50 g/cm <sup>3</sup>

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Relative vapour density No data available

Particle characteristics No data available

### 9.2 Other information:

VOC 0,25%; 3,81 g/l

## SECTION 10: Stability and Reactivity

### 10.1 Reactivity

Not reactive under normal conditions of storage and use.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions are expected under normal conditions of storage and use.

### 10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

### 10.5 Incompatible materials

No data available

### 10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

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

#### Acute toxicity

No data available for the mixture.

#### **N-(3-(trimethoxysilyl)propyl)ethylenediamine**

LD50 (deraml, rabbit) >2000 mg/kg/24h

LD50 (oral, rat) 2295 mg/kg

LC50 (inhalation, rat) >1,49 mg/l/4h

#### **trimethoxyvinylsilane**

LD50 (dermal, rabbit) 3,36000 mg/kg/24h

LD50 (oral, rat) 7,34000 mg/kg

LC50 (inhalation, rat) 2773 ppm/4h

#### **1-methyl 1,2,2,6,6-pentamethylpiperidin-4-yl decanedioate bis(1,2,2,6,6-pentamethylpiperidin-4-yl)decanedioate**

LD50 (dermal, rat) >3170 mg/kg

LD50 (oral, rat) 3230 mg/kg

ATEmix- calculated:

Acute toxicity (oral) :>2000 mg/kg; not classified

Acute toxicity (dermal): >2000 mg/kg; not classified

Acute toxicity (inhalation) :>20 mg/kg; not classified

#### **Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

#### **Serious eye damage/irritation**

Based on available data, the classification criteria are not met.

#### **Respiratory or skin sensitisation**

Based on available data, the classification criteria are not met.

#### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

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### Carcinogenicity

Based on available data, the classification criteria are not met.

### Reproductive toxicity

Based on available data, the classification criteria are not met.

### STOT-single exposure

Based on available data, the classification criteria are not met.

### STOT-repeated exposure

Based on available data, the classification criteria are not met.

### Aspiration hazard

Based on available data, the classification criteria are not met

### 11.2 Information on other hazards

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 12: Ecological information

### 12.1 Toxicity

No data available for the mixture.

#### N-(3-(trimethoxysilyl)propyl)ethylenediamine

Fish (Danio Rerio) LC50 597mg/l/96h

Aquatic invertebrates (Daphnia magna) EC50 81 mg/l/48h

#### T trimethoxyvinylsilane

Fish (Oncorhynchus mykiss) LC50 137 mg/l/96h

Aquatic invertebrates (Daphnia magna) EC50 121 mg/l/48h

#### 11-methyl 1,2,2,6,6-pentamethylpiperidin-4-yl decanedioate bis(1,2,2,6,6-pentamethylpiperidin-4-yl)decanedioate

Fish (Danio Rerio) LC50 0,90mg/l/96h

### 12.2 Persistence and degradability

No further relevant information available.

### 12.4 Mobility in soil

No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

The mixture does not contain substances meeting the PBT or vPvB criteria in accordance with Annex XIII of the REACH Regulation in a concentration  $\geq 0.1\%w/w$

### 12.6 Endocrine disrupting properties

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

### 12.7 Other adverse effects

No further relevant information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

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## SECTION 14: Transport Information

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1. UN number or ID number	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards	NO	NO	NO	NO
14.6. Special precautions for user	Not applicable	Not applicable	No EmS: F-D No EmS : S-U	Not applicable
14.7. Maritime transport in bulk according to IMO instruments	Not applicable	Not applicable	Not applicable	Not applicable

## SECTION 15: Regulatory information

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

Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH),

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

2014/955/EU: Commission Decision of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council Text with EEA relevance.

### 15.2 Chemical Safety Assessment

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

## SECTION 16: Other information

Classification according to Regulation (EC) No. 1272/2008 – calculated method

The product is not classified as dangerous according to Regulation EV1272/2008 (CLP).

### Relevant H-statements (number and full text)

H225 Highly flammable liquid and vapour.

H301 Toxic if swallowed

H311 Toxic in contact with skin.

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

H370 Causes damage to organs

H371 May cause damage to organs

H400 Very toxic to aquatic life.



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H410 Very toxic to aquatic life with long lasting effects.

**Additional Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, Information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Product Safety Data Sheet to their own Product Safety Data Sheet.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local supplier a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary –even for the same product between different countries, reflecting the different compliance requirements.

Update section: general overview of the safety data sheet