

Date: 20/04/2022

Premium LMN Silicone (White) - Safety Data Sheet

According to Regulation (EC) pNo. 1907/2006 and Regulation (EC) No. 1272/2008

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Premium LMN Silicone (White) **Product Name**

Pure substance/mixture Mixture **Product Code:** 732120

DSKD-D379-C200-6011

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

Recommended use Sealant. Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Supplier: T.I Midwood & Co. Ltd T I Midwood & Co. I td

TIMCO House Aviemore House Hill Street Green Lane Wardle Monahan Nantwich Ireland

CW5 6BJ

1.4. Emergency telephone number

Emergency Help Line: 01865 407333 (24 hour service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitisation	Category 1 - (H317)
Carcinogenicity	Category 2 - (H351)

2.2. Label Elements

Contains: 2-Butanone, oxime & 3-(TriethoxysilyI) propylamine



Signal word Warning

Hazard statements

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H351 - Suspected of causing cancer.

According to Regulation (EC) pNo. 1907/2006 and Regulation (EC) No. 1272/2008

Precautionary statements

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P405 - Store locked up.

P501 - Dispose of contents/ container to an approved waste disposal plant.

Additional information

This product requires tactile warnings if supplied to the general public.

2.3. Other Hazards

Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon curing Small amounts of 2-butanone, oxime (CAS 96-29-7) are formed by hydrolysis and released upon curing

PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	EC No.	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics	934-956-3	RR-100252-4	>25 - <40	Asp. Tox. 1 (H304)		01-2119827000- 58-XXXX
2-Butanone, oxime	202-496-6	96-29-7	1- <2.5	Acute Tox. 4 (H312) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Carc. 2 (H351)		01-2119539477- 28-XXXX
3-(Triethoxysilyl) propylamine	213-048-4	919-30-2	0.1 - <1	Skin Corr. 1B (H314) Skin Sens. 1 (H317) Acute Tox. 4 (H302)		01-2119480479- 24-XXXX
Titanium dioxide	236-675-5	13463-67-7	0.1 - <1	Carc. 2 (H351i)		01-2119489379- 17-XXXX

Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

Substances identified by a number starting "RR-" in the CAS-field are substances for which there is no CAS# used in EU and we use an internal numbering system to track within our SDS software

According to Regulation (EC) pNo. 1907/2006 and Regulation (EC) No. 1272/2008

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice IF exposed or concerned: Get medical advice/attention. Show this safety data sheet to

the doctor in attendance.

Inhalation Remove to fresh air.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and

persists.

Skin contact Wash with soap and water. May cause an allergic skin reaction. In the case of skin

irritation or allergic reactions see a doctor.

Ingestion Clean mouth with water and drink afterwards plenty of water. Never give anything by

mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section

8).

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

Symptoms Itching. Rashes. Hives. May cause redness and tearing of the eyes. Burning sensation.

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

Note to doctors May cause sensitisation in susceptible persons. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the

surrounding environment.

Unsuitable extinguishing media Full water jet. Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the Product is or contains a sensitiser. May cause sensitisation by skin contact.

chemical

Hazardous combustion products Carbon dioxide (CO2). Nitrogen oxides (NOx). Silicon dioxide. Thermal decomposition

can lead to release of irritating and toxic gases and vapours.

5.3. Advice for firefighters

Special protective equipment for

fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

According to Regulation (EC) pNo. 1907/2006 and Regulation (EC) No. 1272/2008

Personal precautions Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from

and upwind of spill/leak. Avoid contact with skin, eyes or clothing. Use personal

protective equipment as required.

Other information Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Environmental precautionsDo not flush into surface water or sanitary sewer system. Do not allow to enter into

soil/subsoil. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

and place into a container for later disposal.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory

equipment. Take off contaminated clothing and wash it before reuse. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin,

eyes or clothing. Do not eat, drink or smoke when using this product.

General hygiene considerations Wash hands before breaks and immediately after handling the product. Avoid contact

with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat,

drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Store locked up. Keep out of the reach of children. Keep containers tightly closed in a

dry, cool and well-ventilated place. Protect from moisture.

7.3. Specific end use(s)

Specific Use(s)

Sealant.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon

curing

<u> </u>			
Chemical name	European Union	Ireland	United Kingdom
			United Kingdon

According to Regulation (EC) pNo. 1907/2006 and Regulation (EC) No. 1272/2008

Ethanol 64-17-5	-	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1920 mg/m³ STEL: 3000 ppm STEL: 5760 mg/m³
2-Butanone, oxime 96-29-7	-	TWA: 3 ppm TWA: 10 mg/m³ STEL: 10 ppm STEL: 33 mg/m³	-
Titanium dioxide 13463-67-7	-	TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³	TWA: 10 mg/m³ TWA: 4 mg/m³ STEL: 30 mg/m³ STEL: 12 mg/m³

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)				
3-(Triethoxysilyl) propylamii	ne (919-30-2)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
worker Long term Systemic health effects	Inhalation	59 mg/m³		
worker Short term Systemic health effects	Inhalation	59 mg/m³		
worker Long term Systemic health effects	Dermal	8.3 mg/kg bw/d		
worker Short term Systemic health effects	Dermal	8.3 mg/kg bw/d		

Titanium dioxide (13463-67-7)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker	Inhalation	10 mg/m³	
Long term			
Local health effects			

Derived No Effect Level (DNEL)					
3-(Triethoxysilyl) propylamir	3-(Triethoxysilyl) propylamine (919-30-2)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
Consumer Long term Systemic health effects	Inhalation	17 mg/m³			
Consumer Short term Systemic health effects	Inhalation	17.4 mg/m³			
Consumer Long term Systemic health effects	Dermal	5 mg/kg bw/d			
Consumer Short term Systemic health effects	Dermal	5 mg/kg bw/d			

Titanium dioxide (13463-67-7)			
Туре	Exposure route	Derived No Effect Level	Safety factor
		(DNEL)	
Consumer	Oral	700 mg/kg bw/d	

According to Regulation (EC) pNo. 1907/2006 and Regulation (EC) No. 1272/2008

Long term		
Oysternic ricaltir chects		

Predicted No Effect Concentration No information available. **(PNEC)**

Predicted No Effect Concentration (PNEC)				
3-(Triethoxysilyl) propylamine (919-30-2)				
Environmental compartment	Predicted No Effect Concentration (PNEC)			
Freshwater	0.33 mg/l			
Marine water	0.033 mg/l			

Titanium dioxide (13463-67-7)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Marine water	0.0184 mg/l
Freshwater sediment	1000 mg/kg
Freshwater	0.184 mg/l
Marine sediment	100 mg/kg
Soil	100 mg/kg
Microorganisms in sewage treatment	100 mg/l
Freshwater - intermittent	0.193 mg/l

8.2. Exposure controls

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Eye protection must conform to

standard EN 166

Hand protection Wear suitable gloves. Recommended Use:. Neoprene™. Nitrile rubber. Butyl rubber.

Glove thickness > 0.7mm. The breakthrough time for the mentioned glove material is in general greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific

gloves. Gloves must conform to standard EN 374

Skin and body protection None under normal use conditions.

Respiratory protection In case of inadequate ventilation wear respiratory protection. Wear a respirator

conforming to EN 140 with Type A/P2 filter or better. Ensure adequate ventilation,

especially in confined areas.

Recommended filter type: Organic gases and vapours filter conforming to EN 14387. White. Brown.

Environmental exposure controls Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Solid Appearance Paste

Colour See section 1 for more information

Odour Characteristic

Odour threshold No information available

Property Values Remarks • Method

pH Not applicable .

Melting point / freezing point No data available
Boiling point / boiling range
Flash point > 100 °C
Evaporation rate No data available
Flammability (solid, gas) No data available

Flammability Limit in Air

Upper flammability or explosive No data available

According to Regulation (EC) pNo. 1907/2006 and Regulation (EC) No. 1272/2008

limits

Lower flammability or explosive No data available

limits

Vapour pressureNo data availableRelative vapour densityNo data availableRelative densityNo data available

Water solubility Product cures with moisture

Solubility(ies) No data available **Partition coefficient** No data available **Autoignition temperature** No data available No data available **Decomposition temperature** Kinematic viscosity > 21 mm²/s **Dynamic viscosity** No data available No data available **Explosive properties Oxidising properties** No data available

9.2. Other information

Solid content (%)

VOC Content (%)

No information available

No information available

Density 0.96

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical None. impact
Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Protect from moisture. Product cures with moisture.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition Small amounts of ethanol (CAS 64-17-5) are formed by hydrolysis and released upon

products curing.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

According to Regulation (EC) pNo. 1907/2006 and Regulation (EC) No. 1272/2008

Product Information

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of

respiratory tract.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye

irritation. (based on components). May cause redness, itching, and pain.

Skin contact May cause sensitisation by skin contact. Repeated or prolonged skin contact may cause

allergic reactions with susceptible persons. (based on components). Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may

cause redness and irritation.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause

gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives. May cause redness and tearing of the eyes.

Numerical measures of toxicity

Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 77,500.00 mg/kg **ATEmix (dermal)** 91,666.70 mg/kg

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrocarbons, C15-C20,	LD50 > 5000 mg/kg (Rattus)	LD50 > 3160 mg/kg	LC50 Inhalation(4h) >5266
n-alkanes, isoalkanes, cyclics,	OECD 401	(Oryctolagus cuniculus)	MG/M3 (Rattus)
< 0.03% aromatics		OECD 402	
RR-100252-4			
2-Butanone, oxime	=930 mg/kg (Rattus)	1000 - 1800 mg/kg	>4.83 mg/L (Rattus) 4 h
96-29-7		(Oryctolagus cuniculus)	
3-(Triethoxysilyl) propylamine	LD50 = 1490 mg/kg (Rat,	LD50 = 4076 mg/kg	LC50 >144 mg/L (6h) Rat
919-30-2	female) EPA OTS 798.1175	(Oryctolagus cuniculus) EPA	(Vapour)
	·	OTS 798.1100	
Titanium dioxide	>10000 mg/kg (Rattus)	LD50 > 10000 mg/Kg	>5 mg/l
13463-67-7			_

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation May cause skin irritation.

Component Information					
Titanium dioxide (13463-67-7)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404:					Non-irritant
Acute Dermal					
Irritation/Corrosion					

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Respiratory or skin sensitisation May cause sensitisation by skin contact.

According to Regulation (EC) pNo. 1907/2006 and Regulation (EC) No. 1272/2008

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

Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for

ingredients.

Chemical name	European Union
2-Butanone, oxime 96-29-7	Carc. 2
Titanium dioxide 13463-67-7	Carc. 2

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component Information				
Titanium dioxide (13463-67-7)				
Method	Species	Results		
Oral	Rat	Not Carcinogenic		
Inhalation Xu et al (2010), carcinogenic activity of nanoscale TiO2 administered by an	Rat	Carcinogenic		
intrapulmonary spraying (IPS) -				
initiation-promotion protocol in rat lung				

Reproductive toxicityBased on available data, the classification criteria are not met.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposureBased on available data, the classification criteria are not met.

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

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, < 0.03% aromatics RR-100252-4	EL50 (72h) >10,000 mg/L (Skeletonema costatum) ISO 10253	LL50 (96h) > 1028 mg/L (Scophthalmus maximus) OECD 203	-	LL50 (48h)> 3193 mg/l (Acartia tonsa)		
2-Butanone, oxime 96-29-7	EC50: =83mg/L (72h, Desmodesmus subspicatus)	LC50: =760mg/L (96h, Poecilia reticulata) LC50: 777 - 914mg/L (96h, Pimephales promelas) LC50: 320 - 1000mg/L (96h, Leuciscus idus)	EC50 = 950 mg/L 5 min	EC50: =750mg/L (48h, Daphnia magna)		

According to Regulation (EC) pNo. 1907/2006 and Regulation (EC) No. 1272/2008

3-(Triethoxysilyl) propylamine 919-30-2	EC50 (72h) >1000 mg/L Green algae (desmodesmus subspicatus) (OECD TG 201)	LC50 (96h) >934 mg/L (Brachydanio rerio) (OECD TG 203)		EC50 (48h) =331 mg/L Daphnia magna (OECD TG 202)	
Titanium dioxide 13463-67-7	LC50 (96h) >10000 mg/l (Cyprinodon variegatus) OECD 203	-	-	-	

12.2. Persistence and degradability

No information available. Persistence and degradability

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
2-Butanone, oxime 96-29-7	0.65	5.8
3-(Triethoxysilyl) propylamine 919-30-2	1.7	3.4

12.4. Mobility in soil

No information available. Mobility in soil

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

Chemical name	PBT and vPvB assessment		
2-Butanone, oxime	The substance is not PBT / vPvB		
96-29-7			
3-(TriethoxysilyI) propylamine	The substance is not PBT / vPvB		
919-30-2			
Titanium dioxide	The substance is not PBT / vPvB		
13463-67-7	PBT assessment does not apply		

12.6. Other adverse effects

No information available. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products

Dispose of contents/container in accordance with local, regional, national, and

international regulations as applicable.

Do not reuse empty containers. Handle contaminated packages in the same way as the Contaminated packaging

product itself.

European Waste Catalogue 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous

According to Regulation (EC) pNo. 1907/2006 and Regulation (EC) No. 1272/2008

substances

Other information Waste codes should be assigned by the user based on the application for which the

product was used.

SECTION 14: Transport information

Land transport (ADR/RID)

Not regulated 14.1 UN number or ID number Not regulated 14.2 Proper Shipping Name Not regulated 14.3 Transport hazard class(es) 14.4 Packing group Not regulated 14.5 Environmental hazards Not applicable None

14.6 Special Provisions

IMDG

14.1 UN number or ID number Not regulated 14.2 Proper Shipping Name Not regulated 14.3 Transport hazard class(es) Not regulated 14.4 Packing group Not regulated

14.5 Marine pollutant NP 14.6 Special Provisions None

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable

Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number Not regulated 14.2 Proper Shipping Name Not regulated Not regulated 14.3 Transport hazard class(es) 14.4 Packing group Not regulated 14.5 Environmental hazards Not applicable

14.6 Special Provisions None

Section 15: REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

According to Regulation (EC) pNo. 1907/2006 and Regulation (EC) No. 1272/2008

Biocidal Products Regulation (EU) No 528/2012 (BPR)

This product contains a biocidal product for the preservation of the dry film Contains: 2-octyl-2H-isothiazol-3-one [OIT]

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

National regulations

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed

H304 - May be fatal if swallowed and enters airways

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

H351 - Suspected of causing cancer

Legend

TWA TWA (time-weighted average)
STEL STEL (Short Term Exposure Limit)

Ceiling Ceiling Limit Value
* Skin designation

SVHC Substance(s) of Very High Concern

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals vPvB Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE Specific target organ toxicity - Repeated exposure STOT SE Specific target organ toxicity - Single exposure

EWC European Waste Catalogue

Indication of changes

Revision note Not applicable.

Training Advice No information available

According to Regulation (EC) pNo. 1907/2006 and Regulation (EC) No. 1272/2008

Further information

No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

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 a 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.

End of Safety Data Sheet