

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

UNIGUM

Product no.

-

REACH registration number

Not applicable

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

Relevant identified uses of the substance or mixture

Sealant

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

Unipak A/S
Marktoften 3C
8464 Galten
Denmark

E-mail

sales@unipak.dk

SDS date

2017-08-21

SDS Version

2.0

1.4. Emergency telephone number

+45 8626 1177 (normal opening time)

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

2.2. Label elements

Hazard pictogram(s)

-

Signal word

-

Hazard statement(s)

-

Safety statement(s)

General -
Prevention -
Response -
Storage -
Disposal -

Identity of the substances primarily responsible for the major health hazards

-

2.3. Other hazards

-

Additional labelling

Safety data sheet available on request. (EUH210)

Additional warnings

-

VOC

0 g/l

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME:	talc (Mg ₃ H ₂ (SiO ₃) ₄)
IDENTIFICATION NOS.:	CAS-no: 14807-96-6 EC-no: 238-877-9
CONTENT:	25-40%
CLP CLASSIFICATION:	NA
NAME:	Calcium carbonate
IDENTIFICATION NOS.:	CAS-no: 1317-65-3 EC-no: 215-279-6 REACH-no: Exempted in accordance Annex V.7
CONTENT:	25-40%
CLP CLASSIFICATION:	NA
NAME:	TiO ₂
IDENTIFICATION NOS.:	CAS-no: 13463-67-7 EC-no: 236-675-5 REACH-no: 01-2119489379-17
CONTENT:	<1%
CLP CLASSIFICATION:	NA
NAME:	Fatty acids, C16-C18
IDENTIFICATION NOS.:	CAS-no: 67701-03-5 EC-no: 266-928-5 REACH-no: 01-2119543709-29
CONTENT:	<1%
CLP CLASSIFICATION:	Skin Irrit. 2, Eye Irrit. 2 H315, H319

(*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service (dial 111, 24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Bring the person into fresh air and stay with him.

Skin contact

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure to flush under the upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

Burns

Not applicable

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

Nothing special

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

Nothing special

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Nothing special

5.3. Advice for firefighters

No specific requirements.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No specific requirements.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Storage temperature

No data available.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

TiO₂

Long-term exposure limit (8-hour TWA reference period): - ppm | - mg/m³

Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

Calcium carbonate

Long-term exposure limit (8-hour TWA reference period): - ppm | - mg/m³

Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

talC (Mg₃H₂(SiO₃)₄)

Long-term exposure limit (8-hour TWA reference period): - ppm | 1 mg/m³

Short-term exposure limit (15-minute reference period): - ppm | - mg/m³

DNEL / PNEC

According to EC-Regulation 2015/830

DNEL (TiO₂): 10 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Long term

DNEL (Fatty acids, C16-C18): 10 mg/kg
 Exposure: Dermal
 Duration of Exposure: Long term – Systemic effects - Workers
 DNEL (Fatty acids, C16-C18): 17,632 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Long term – Systemic effects - Workers

PNEC (TiO₂): 0,127 mg/L
 Exposure: Freshwater
 PNEC (TiO₂): >= 1 mg/L
 Exposure: Marine water
 PNEC (TiO₂): 0,61 mg/L
 Exposure: Water
 PNEC (TiO₂): >= 1000 mg/L
 Exposure: Freshwater sediment
 PNEC (TiO₂): >= 100 mg/L
 Exposure: Marine water sediment
 PNEC (TiO₂): 100 mg/L
 Exposure: Soil
 PNEC (TiO₂): >= 100 mg/L
 Exposure: Sewage Treatment Plant

8.2. Exposure controls

Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, eating and drinking are not allowed in the work premises

Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment

Generally

Use only CE marked protective equipment.

Respiratory Equipment

No specific requirements.

Skin protection

No specific requirements.

Hand protection

Recommended: Nitrile rubber

Eye protection

No specific requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Pasta
Colour	No data available.
Odour	Characteristic
Odour threshold (ppm)	No data available.
pH	No data available.
Viscosity (40°C)	No data available.

Density (g/cm ³)	1,9
Phase changes	
Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.
Data on fire and explosion hazards	
Flash point (°C)	No data available.
Ignition (°C)	No data available.
Auto flammability (°C)	No data available.
Explosion limits (% v/v)	No data available.
Explosive properties	No data available.
Solubility	
Solubility in water	Insoluble
n-octanol/water coefficient	No data available.
9.2. Other information	
Solubility in fat (g/L)	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section "Handling and storage".

10.3. Possibility of hazardous reactions

Nothing special

10.4. Conditions to avoid

Nothing special

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Substance	Species	Test	Route of exposure	Result
Fatty acids, C16-C18	Rat	LD50	Oral	>5000 mg/kg
Fatty acids, C16-C18	Rabbit	LD50	Dermal	>2000 mg/kg
TiO ₂	Rat	LD50	Oral	> 5000 mg/kg
TiO ₂	Rat	LC50	Inhalation	> 6,8 mg/L/4h
Calcium carbonate	Rat	LD50	Oral	> 2000 mg/L

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitisation

No data available. Data on substance: TiO₂

Organism: Rat

Germ cell mutagenicity

Data on substance: Fatty acids, C16-C18

Test: OECD Guideline 476

Organism: Rat

Result: Negative

Carcinogenicity

Data on substance: TiO₂

Reproductive toxicity

No data available.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

Repeated and long-term contact with the product can cause redness and irritation.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Species	Test	Duration	Result
Fatty acids, C16-C18	Fish	LC50	96h	>1000 mg/L
Fatty acids, C16-C18	Daphnia	EC50	47h	>32 mg/L
Fatty acids, C16-C18	Algae	ErC50	72h	>0,9 mg/L
TiO2	Fish	LC50	96h	> 1000 mg/L
TiO2	Daphnia	EC50	48h	> 1000 mg/L
TiO2	Algae	EC50	72h	61 mg/L
Calcium carbonate	Fish	LC50	96 h	> 10000 mg/L
Calcium carbonate	Algae	LC50	72 h	> 200 mg/L
Calcium carbonate	Daphnia	LC50	48 h	> 1000 mg/L
talc (Mg3H2(SiO3)4)	Fish	LC50	24h	>100 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
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12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
TiO2	No	No data available	No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

Waste

EWC code	wastes not otherwise specified
08 04 99	

Specific labelling

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Contaminated packing

No specific requirements.

SECTION 14: Transport information

14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

ADR/RID

14.1. UN number	-
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	-
14.4. Packing group	-
Notes	-

Tunnel restriction code	-
IMDG	
UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-
EmS	-
MP**	-
Hazardous constituent	-
IATA/ICAO	
UN-no.	-
Proper Shipping Name	-
Class	-
PG*	-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

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Additional information

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Sources

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.

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 (CLP).

EC regulation 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

The full text of identified uses as mentioned in section 1

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Additional label elements

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Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture

According to EC-Regulation 2015/830

is based on:

The classification of the mixture in regard of physical hazards has been based on experimental data.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

The safety data sheet is validated by

**Date of last essential change
(First cipher in SDS version)**

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**Date of last minor change
(Last cipher in SDS version)**

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