

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

UltraPly TPO General Purpose Sealant

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

Adhesive

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

Firestone Building Products Europe
Ikaroslaan 75
1930 Zaventem
Belgium
Tel. : +32 2 711 44 50

Contact person

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E-mail

firestonemsds@bfdp.com

SDS date

2018-06-01

SDS Version

1.0

1.4. Emergency telephone number

In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department or the NHS enquiry service or contact CHEMTREC.

+1 (703) 527-3887 - CHEMTREC
+1 (800) 424-9300 - CHEMTREC (USA)

See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture is classified according to Regulation (EC) No. 1272/2008 (CLP) as:

Flam. Sol.1; H228
Skin Irrit. 2; H315
Eye Irrit. 2; H319
STOT SE 3; H336
Aquatic Chronic 2; H411

See full text of H-phrases in section 2.2.

2.2. Label elements

Label elements according to Regulation (EC) No. 1272/2008 (CLP):

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Flammable solid. (H228)
 Causes skin irritation. (H315)
 Causes serious eye irritation. (H319)
 May cause drowsiness or dizziness. (H336)
 Toxic to aquatic life with long lasting effects. (H411)

Safety statement(s)

General -
Prevention Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210).
 Wear protective gloves/protective clothing/eye protection/face protection. (P280).
Response If eye irritation persists: Get medical advice/attention. (P337+P313).
 In case of fire: Use alcohol-resistant foam/carbonic acid/powder/water mist/carbon dioxide/dry sand to extinguish. (P370+P378).
Storage Store in a well-ventilated place. Keep container tightly closed. (P403+P233).
Disposal Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

Solvent naphtha (petroleum), light aliph. (C5-C10) (< 0,1% benzene), solvent naphtha (petroleum), medium aliph. Straight run kerosine [A complex combination of hydrocarbons]

2.3. Other hazards

This product contains an organic solvent. Repeated or prolonged exposure to organic solvents may result in adverse effects to the nervous system and internal organs such as liver and kidneys.

Additional labelling

Not applicable

Additional warnings

Not applicable

VOC

Not applicable

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME: Solvent naphtha (petroleum), light aliph. (C5-C10) (< 0,1% benzene)
 IDENTIFICATION NOS.: CAS-no: 64742-89-8 EC-no: 265-192-2 Index-no: 649-267-00-0
 CONTENT: 5 - 20%
 CLP CLASSIFICATION: Flam. Liq. 2, Asp. Tox. 1, Skin Irrit. 2, STOT SE 3, Aquatic Chronic 2
 H225, H304, H315, H336, H411
 NOTE: S

NAME: solvent naphtha (petroleum), medium aliph. Straight run kerosine [A complex combination of Hydrocarbons]
 IDENTIFICATION NOS.: CAS-no: 64742-88-7 EC-no: 265-191-7 Index-no: 649-405-00-X
 CONTENT: 2,5 - 10%
 CLP CLASSIFICATION: Flam. Liq. 3, STOT SE 3, Skin Irrit. 2, Asp. Tox. 1, Aquatic Chronic 2
 H226, H304, H315, H336, H411

According to EC-Regulation 2015/830

NAME: titanium dioxide
IDENTIFICATION NOS.: CAS-no: 13463-67-7 EC-no: 236-675-5
CONTENT: ≤ 2,5%
CLP CLASSIFICATION: NA

NAME: CALCIUM,OXIDE
IDENTIFICATION NOS.: CAS-no: 1305-78-8 EC-no: 215-138-9
CONTENT: ≤ 1%
CLP CLASSIFICATION: STOT SE 3, Skin Irrit. 2, Eye Dam. 1
H315, H318, H335

NAME: silicon,dioxide,quartz
IDENTIFICATION NOS.: CAS-no: 14808-60-7 EC-no: 238-878-4
CONTENT: ≤ 0,5%
CLP CLASSIFICATION: STOT RE 1
H372

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

Other information

Eye Cat. 2 Sum = $\sum(C_i/S(G)CL_i) = > 1 - 1,2$

Skin Cat. 2 Sum = $\sum(C_i/S(G)CL_i) = 2,36 - 3,54$

N chronic (CAT 2) Sum = $\sum(C_i/(M(\text{chronic})^i \cdot 25) \cdot 0.1 \cdot 10^{\text{CAT}_i}) = > 1 - 1,368$

Calculation of the classification of the mixture according to Regulation (EC) No. 1272/2008 (CLP)

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 or call NHS 111 – take the label or this safety data sheet with you. NHS professionals can contact The National Poisons Information Service (dial 0344 892 0111, 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/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin 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

Rinse with water until the pain stops then continue to rinse for a further 30 minutes.

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

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

If eye irritation persists: Get medical advice/attention.

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

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment.

6.3. Methods and material for containment and cleaning up

Minor spills are collected with a cloth. Collection and disposal of the material shall be done with minimum creation of dust. Sweep and collect. Shall be contained in suitable and tightly closed disposal containers. 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

Avoid static electricity. Protect electrical equipment in accordance with current standards. To divert static electricity during transmission, containers must be grounded and connected by wire with the receiving containers. Do not use spark-forming tools.

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. It is recommended to install waste collection trays to prevent emissions to the waste water system and surrounding environment. 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. Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

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

CALCIUM, OXIDE

Long-term exposure limit (8-hour TWA reference period): - ppm | 2 mg/m³

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

titanium dioxide

Long-term exposure limit (8-hour TWA reference period): - ppm | 10(inh)/4(resp) mg/m³

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

Solvent naphtha (petroleum), light aliph. (C5-C10) (< 0,1% b...

Long-term exposure limit (8-hour TWA reference period): 500 ppm | - mg/m³

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

DNEL / PNEC

No data available

8.2. Exposure controls

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

General recommendations

Observe general occupational hygiene standards.

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

Keep containment materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment



Generally

Use only CE marked protective equipment.

Respiratory Equipment

If ventilation at the work place is insufficient, use a half- or full mask with an appropriate filter or an air-supplied breathing apparatus depending on the specific work situation and how long you will be using the product.

Skin protection

Wear appropriate protection clothing, e.g. coveralls in polypropylene approved type 6 and Category III.

Hand protection

Wear protective gloves. The specific work situation is unknown. Contact the suppliers of the gloves for further advice regarding the appropriate glove type. Please note that elastic gloves stretch when used. The thickness of the gloves, and therefore their penetration time, will be reduced. Moreover, the temperature of the glove in use is about 35°C, while the standard test, EN 374-3, is done at 23°C. The penetration time is therefore reduced by a factor of 3.

Eye protection

Wear safety glasses with side shields.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Solid
Colour	White
Odour	Gasoline-like
Odour threshold (ppm)	No data available.
pH	No data available.
Viscosity (40°C)	> 20,5 mm ² /s
Density (g/cm ³)	1,42

Phase changes

Melting point (°C)	No data available.
Boiling point (°C)	131
Vapour pressure (25°C)	2 mmHg
Decomposition temperature (°C)	No data available.
Evaporation rate (n-butylacetate = 100)	No data available.

Data on fire and explosion hazards

Flash point (°C)	18
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.
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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

Avoid static electricity.

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: silicon,dioxide,quartz
 Species: Rat
 Test: TCL0
 Route of exposure: Inhalation
 Result: 200 mg/kg bw

Substance: silicon,dioxide,quartz
 Species: Mouse
 Test: TDLO
 Route of exposure: Intraperitoneal
 Result: 80 mg/kg bw

According to EC-Regulation 2015/830

Substance: silicon,dioxide,quartz
 Species: Hamster
 Test: TCL0
 Route of exposure: Inhalation
 Result: 3 mg/l (6 h)

Substance: solvent naphtha (petroleum), medium aliph. Straight run kerosine [A complex combination of hydrocarbons]
 Species: Rat
 Test: TCL0
 Route of exposure: Inhalation
 Result: 550 mg/m3 (6 h)

Substance: solvent naphtha (petroleum), medium aliph. Straight run kerosine [A complex combination of hydrocarbons]
 Species: Guinea pig
 Test: TCL0
 Route of exposure: Inhalation
 Result: 2200 mg/m3 (6 h)

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Long term effects

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Substance: Solvent naphtha (petroleum), light aliph. (C5-C10) (< 0,1% benzene)
 Species: Daphnia
 Test: NOEC
 Duration: 48h
 Result: 84 mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data available.			

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
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

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

Waste

EWC code

-

Specific labelling

-

Contaminated packing

Contaminated packaging must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4

This product is within scope of the regulations of transport of dangerous goods.

ADR/RID

14.1. UN number	1325
14.2. UN proper shipping name	FLAMMABLE SOLID, ORGANIC, N.O.S.
14.3. Transport hazard class(es)	4.1
14.4. Packing group	II
Notes	-
Tunnel restriction code	E

IMDG

UN-no.	1325
Proper Shipping Name	FLAMMABLE SOLID, ORGANIC, N.O.S.
Class	4.1
PG*	II
EmS	F-A, S-G
MP**	No
Hazardous constituent	Solvent naphtha (petroleum), light aliph.

IATA/ICAO

UN-no.	1325
Proper Shipping Name	FLAMMABLE SOLID, ORGANIC, N.O.S.
Class	4.1
PG*	II

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

Not applicable

Seveso

Seveso III Part 1: E2

Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

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).

The Control of Major Accident Hazards (COMAH) Regulations 2015.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H225 - Highly flammable liquid and vapour.

H226 - Flammable liquid and vapour.

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H335 - May cause respiratory irritation.

H336 - May cause drowsiness or dizziness.

H372 - Causes damage to organs through prolonged or repeated exposure.

H411 - Toxic to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1

-

Additional label elements

Not applicable

Other

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

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

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

The classification of the mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

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

According to EC-Regulation 2015/830

not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The safety data sheet is validated by

AW /CHYMEIA

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

-

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

-

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