

**ULTRAPLY TPO CUT-EDGE SEALANT**

**1. Identification of the substance/preparation and of the company/undertaking**

**1.1 Identification of the substance or preparation:**

Synonyms: none  
 CAS No. : N.A.  
 EC index No. : N.A. NFPA code : N.D.  
 EINECS No. : N.A. Molecular weight : N.A.  
 RTECS No. : N.A. Formula : N.A.

**1.2 Use of the substance or the preparation:**

Adhesive

**1.3 Company/undertaking identification:**

Firestone Building Products  
 Ikaroslaan 75  
 B-1930 Zaventem  
 Tel. : +32 2 711 44 50  
 Fax : +32 2 721 27 18  
 Email: info@fbpe.be

**1.4 Telephone number for emergency:**

+32 70 245 245  
 Poison Centre  
 p/a Militair Hospitaal Koningin Astrid, Bruynstraat, B-1120 Brussel

**2. Composition/information on ingredients**

Hazardous ingredients	CAS No. EINECS/ELINCS No.	Conc. in %	Hazard symbol	Risks (R-phrases)
xylene, mixture of isomers	1330-20-7 215-535-7	57-67	Xn	10-20/21-38 (1)
low boiling point naphtha, unspecified (conc benzene <0.1%)	8052-41-3 232-489-3	11-15	Xn;N	12-38-51/53-65-67 (Labelling in compliance with CONCAWE )( 1)

(1) For R-phrases in full: see heading 16

**3. Hazards identification**

- Flammable
- Harmful by inhalation and in contact with skin
- Irritating to skin
- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- Harmful: may cause lung damage if swallowed

**4. First aid measures**

**4.1 Eye contact:**

- Consult a doctor/medical service if irritation persists
- Rinse immediately with plenty of water
- Do not apply neutralizing agents

**4.2 Skin contact:**

- Consult a doctor/medical service if irritation persists
- Soap may be used
- Wash immediately with lots of water

# ULTRAPLY TPO CUT-EDGE SEALANT

## 4.3 After inhalation:

- Consult a doctor/medical service if breathing problems develop
- Remove the victim into fresh air
- Unconscious: maintain adequate airway and respiration

## 4.4 After ingestion:

- Consult a doctor/medical service if you feel unwell
- Never give water to an unconscious person
- Do not induce vomiting

## 5. Fire-fighting measures

### 5.1 Suitable extinguishing media:

- Polyvalent foam
- BC powder
- Carbon dioxide

### 5.2 Unsuitable extinguishing media:

- No data available

### 5.3 Special exposure hazards:

- Gas/vapour spreads at floor level: ignition hazard
- Gas/vapour flammable with air within explosion limits
- On burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide - carbon dioxide)

### 5.4 Instructions:

- Cool tanks/drums with water spray/remove them into safety
- Dilute toxic gases with water spray
- Take account of environmentally hazardous firefighting water
- Use firefighting water moderately and contain it

### 5.5 Special protective equipment for firefighters:

- Heat/fire exposure: compressed air/oxygen apparatus
- Protective clothing for exposure to chemicals

## 6. Accidental release measures

### 6.1 Personal protection/precautions:

See heading 8.2/8.3/13

### 6.2 Environmental precautions:

- Prevent soil and water pollution
- Prevent spreading in sewers
- Contain released substance, pump over in suitable containers
- Plug the leak, cut off the supply
- Dam up the liquid spill

### 6.3 Methods for cleaning up:

- Take up liquid spill into inert absorbent material
- Scoop absorbed substance into closing containers
- Carefully collect the spill/leftovers
- Damaged/cooled tanks must be emptied
- Do not use compressed air for pumping over spills
- Clean contaminated surfaces with a soap solution
- Wash clothing and equipment after handling

## 7. Handling and storage

### 7.1 Handling:

- Observe normal hygiene standards
- Use spark-/explosionproof appliances and lighting system
- Do not discharge the waste into the drain
- Remove contaminated clothing immediately
- Clean contaminated clothing

# ULTRAPLY TPO CUT-EDGE SEALANT

## 7.2 Storage:

- Keep container tightly closed
- Store at room temperature
- Keep out of direct sunlight
- Ventilation at floor level
- Keep away from: heat sources, ignition sources, oxidizing agents, acids, bases

Storage temperature : 16/27 °C  
Quantity limits : N.D. kg  
Storage life : 365 days  
Materials for packaging :  
suitable : no data available  
- to avoid : no data available

## 7.3 Specific uses:

- See information supplied by the manufacturer

## 8. Exposure controls/Personal protection

### 8.1 Exposure limit values:

xylene, mixture of isomers

TLV-TWA	:	mg/m <sup>3</sup>	100	ppm
TLV-STEL	:	mg/m <sup>3</sup>	150	ppm
OES-LTEL	:	mg/m <sup>3</sup>	50	ppm
OES-STEL	:	mg/m <sup>3</sup>	100	ppm
MAK	:	mg/m <sup>3</sup>	100	ppm
MAC-TGG 8 h	:	mg/m <sup>3</sup>		
MAC-TGG 15 min.	:	mg/m <sup>3</sup>		
VME-8 h	:	mg/m <sup>3</sup>	50	ppm
VLE-15 min.	:	mg/m <sup>3</sup>	100	ppm
GWBB-8 h	:	mg/m <sup>3</sup>	50	ppm
GWK-15 min.	:	mg/m <sup>3</sup>	100	ppm
EC	:	mg/m <sup>3</sup>	50	ppm
EC-STEL	:	mg/m <sup>3</sup>	100	ppm

### Sampling methods:

- Xylene (Hydrocarbons, aromatic) NIOSH 1501
- Xylene (o-, m-, & p-isomers) OSHA 7
- Petroleum Distillate (Naphthas) NIOSH 1550
- Petroleum Distillates (Naphtha) OSHA 48

### 8.2 Exposure controls:

#### 8.2.1 Occupational exposure controls:

- Measure the concentration in the air regularly
- Work under local exhaust/ventilation

#### 8.2.2 Environmental exposure controls: see heading 13

### 8.3 Personal protection:

#### 8.3.1 respiratory protection:

- High vapour concentration: gas mask with filter A

#### 8.3.2 hand protection:

- Gloves  
Suitable materials: Neoprene  
Nitrile rubber  
PVA
- Breakthrough time: N.D.

# ULTRAPLY TPO CUT-EDGE SEALANT

## 8.3.3 eye protection:

- Face shield

## 8.3.4 skin protection:

- Protective clothing
- Suitable materials:

Neoprene  
Nitrile rubber  
PVA

## 9. Physical and chemical properties

### 9.1 General information:

Appearance (at 20°C) : Liquid  
Odour : Aromatic  
Colour : White

### 9.2 Important health, safety and environmental information:

pH value : N.D.  
Boiling point/boiling range : 137 °C  
Flashpoint : 26 °C  
Explosion limits : 0.7/15 vol% ( °C)  
Vapour pressure (at 20°C) : 3.5 hPa  
Vapour pressure (at 50°C) : N.D. hPa  
Relative density (at 20°C) : 0.95  
Water solubility : Insoluble  
Soluble in : N.D.  
Relative vapour density : 3.9  
Viscosity : N.D. Pa.s  
Partition coefficient n-octanol/water : N.D.  
Evaporation rate :  
ratio to butyl acetate : N.D.  
ratio to ether : N.D.

### 9.3 Other information:

Melting point/melting range : N.D. °C  
Auto-ignition point : N.D. °C  
Saturation concentration : N.D. g/m<sup>3</sup>

## 10. Stability and reactivity

### 10.1 Conditions to avoid/reactivity:

- Stable under normal conditions

### 10.2 Materials to avoid:

- Keep away from: heat sources, ignition sources, oxidizing agents, acids, bases

### 10.3 Hazardous decomposition products:

- On burning: release of toxic and corrosive gases/vapours (nitrous vapours, carbon monoxide - carbon dioxide)

# ULTRAPLY TPO CUT-EDGE SEALANT

## 11. Toxicological information

### 11.1 Acute toxicity:

xylene, mixture of isomers

LD50 oral rat	: > 3608	mg/kg
LD50 dermal rat	: N.D.	mg/kg
LD50 dermal rabbit	: N.D.	mg/kg
LC50 inhalation rat	: N.D.	mg/l/4 h
LC50 inhalation rat	: N.D.	ppm/4 h

### 11.2 Chronic toxicity:

xylene, mixture of isomers

EC carc. cat.	: not listed
EC muta. cat.	: not listed
EC repr. cat.	: not listed

Carcinogenicity (TLV)	: A4
Carcinogenicity (MAC)	: not listed
Carcinogenicity (VME)	: not listed
Carcinogenicity (GWBB)	: not listed

Carcinogenicity (MAK)	: not listed
Mutagenicity (MAK)	: not listed
Teratogenicity (MAK)	: D

IARC classification	: 3
---------------------	-----

11.3 Routes of exposure: ingestion, inhalation, eyes and skin

### 11.4 Acute effects/symptoms:

- **AFTER INHALATION**
- EXPOSURE TO HIGH CONCENTRATIONS:
- CNS depression
- Irritation of the respiratory tract
- Irritation of the nasal mucous membranes
- Headache
- Nausea
- Vomiting
- Dizziness
- Narcosis
- Coordination disorders
- Impaired memory
- Disturbances of consciousness
- **AFTER INGESTION**
- Risk of aspiration pneumonia
- AFTER ABSORPTION OF HIGH QUANTITIES:
- Enlargement/affection of the liver
- Symptoms similar to those listed under inhalation
- **AFTER SKIN CONTACT**
- Tingling/irritation of the skin
- **AFTER EYE CONTACT**
- Irritation of the eye tissue

# ULTRAPLY TPO CUT-EDGE SEALANT

## 11.5 Chronic effects:

- Contains a substance which (possibly) impairs fertility(xylene, mixture of isomers)
- Not listed in carcinogenicity class (IARC,EC,TLV,MAK)
- Not listed in mutagenicity class (EC,MAK)
- ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:
  - Dry skin
  - Itching
  - Skin rash/inflammation
  - CNS depression

## 12. Ecological information

### 12.1 Ecotoxicity:

#### xylene, mixture of isomers:

- LC50 (96 h) : 3.77 mg/l (SALMO GAIRDNERI/ ONCORHYNCHUS MYKISS)
- EC50 (48 h) : 7.4 mg/l (DAPHNIA MAGNA)
- EC50 (72 h) : 10 mg/l (SKELETONEMA COSTATUM)

### 12.2 Mobility:

- Volatile organic compounds (VOC): G 57%
- Insoluble in water

For other physicochemical properties see heading 9

### 12.3 Persistence and degradability:

- biodegradation BOD<sub>5</sub> : N.D. % ThOD
- water : - No data available
- soil : T ½: N.D. days

### 12.4 Bioaccumulative potential:

- log P<sub>ow</sub> : N.D.
- BCF : N.D.

### 12.5 Other adverse effects:

- WGK : 2 (Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)
- Effect on the ozone layer : Not dangerous for the ozone layer (1999/45/EC)
- Greenhouse effect : no data available
- Effect on waste water purification : no data available

## 13. Disposal considerations

### 13.1 Provisions relating to waste:

- Waste material code (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001):08 04 09\* (waste adhesives and sealants containing organic solvents or other dangerous substances)
- Hazardous waste (91/689/EEC)

### 13.2 Disposal methods:

- Incinerate under surveillance
- Use appropriate containment to avoid environmental contamination

### 13.3 Packaging/Container:

- Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10\* (packaging containing residues of or contaminated by dangerous substances)

# ULTRAPLY TPO CUT-EDGE SEALANT

## 14. Transport information

30

1133

### 14.1 Classification of the substance in compliance with UN Recommendations

UN number : 1133  
CLASS : 3  
SUB RISKS : -  
PACKING : III  
PROPER SHIPPING NAME :  
UN 1133, Adhesives, Special provision 640E

### 14.2 ADR (transport by road)

CLASS : 3  
PACKING : III  
CLASSIFICATION CODE : F1  
DANGER LABEL TANKS : 3  
DANGER LABEL PACKAGES : 3

### 14.3 RID (transport by rail)

CLASS : 3  
PACKING : III  
CLASSIFICATION CODE : F1  
DANGER LABEL TANKS : 3  
DANGER LABEL PACKAGES : 3

### 14.4 ADNR (transport by inland waterways)

CLASS : 3  
PACKING : III  
CLASSIFICATION CODE : F1  
DANGER LABEL TANKS : 3  
DANGER LABEL PACKAGES : 3

### 14.5 IMDG (maritime transport)

CLASS : 3  
SUB RISKS : -  
PACKING : III  
MFAG : -  
EMS : F-E, S-D  
MARINE POLLUTANT : -

### 14.6 ICAO (air transport)

CLASS : 3  
SUB RISKS : -  
PACKING : III  
PACKING INSTRUCTIONS PASSENGER AIRCRAFT : 309/Y309  
PACKING INSTRUCTIONS CARGO AIRCRAFT : 310

### 14.7 Special precautions in connection with transport : none

### 14.8 Limited quantities (LQ) :

When substances and their packaging meet the conditions established by ADR/RID/ADNR in chapter 3.4, **only** the following prescriptions shall be complied with:

each package shall display a diamond-shaped figure with the following inscription:

- 'UN 1133'

or, in the case of different goods with different identification numbers within a single package:

- the letters 'LQ'

# ULTRAPLY TPO CUT-EDGE SEALANT

## 15. Regulatory information

Classification according to directives 67/548/EEC and 1999/45/EC



Harmful

contains: low boiling point naphtha, unspecified; xylene, mixture of isomers

R10	:	Flammable
R20/21	:	Harmful by inhalation and in contact with skin
R38	:	Irritating to skin
R52/53	:	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65	:	Harmful: may cause lung damage if swallowed
S(02)	:	(Keep out of reach of children)
S23	:	Do not breathe vapour
S36/37	:	Wear suitable protective clothing and gloves
S(62)	:	(If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label)

# ULTRAPLY TPO CUT-EDGE SEALANT

## 16. Other information

The information provided on this MSDS 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 as 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 material or in any process, unless specified in the text.

**N.A.** = NOT APPLICABLE  
**N.D.** = NOT DETERMINED  
**(\*)** = INTERNAL CLASSIFICATION (NFPA)

### Exposure limits:

**TLV** : Threshold Limit Value - ACGIH USA  
**OES** : Occupational Exposure Standards - United Kingdom  
**MEL** : Maximum Exposure Limits - United Kingdom  
**MAK** : Maximale Arbeitsplatzkonzentrationen - Germany  
**TRK** : Technische Richtkonzentrationen - Germany  
**MAC** : Maximale aanvaarde concentratie - The Netherlands  
**VME** : Valeurs limites de Moyenne d'Exposition - France  
**VLE** : Valeurs limites d'Exposition à court terme - France  
**GWBB** : Grenswaarde beroepsmatige blootstelling - Belgium  
**GWK** : Grenswaarde kortstondige blootstelling - Belgium  
**EC** : Indicative occupational exposure limit values - directive 2000/39/EC

**I** : Inhalable fraction = **T**: Total dust = **E**: Einatembarer Aerosolanteil  
**R** : Respirable fraction = **A**: Alveolengängiger Aerosolanteil/Alveolar dust  
**C** : Ceiling limit

<b>a:</b>	aerosol	<b>r:</b>	rook/Rauch	(fume)
<b>d:</b>	damp (vapour)	<b>st:</b>	stof/Staub	(dust)
<b>du:</b>	dust	<b>ve:</b>	vezel	(fibre)
<b>fa:</b>	Faser (fibre)	<b>va:</b>	vapour	
<b>fi:</b>	fibre	<b>om:</b>	oil mist	
<b>fu:</b>	fume	<b>on:</b>	olienevel/Ölnebel	(oil mist)
<b>p:</b>	poussière (dust)	<b>part:</b>	particles	

### Chronic toxicity:

**K** : List of the carcinogenic substances and processes - The Netherlands

### Full text of any R-phrases referred to under heading 2:

R10 : Flammable  
R12 : Extremely flammable  
R20/21 : Harmful by inhalation and in contact with skin  
R38 : Irritating to skin  
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R65 : Harmful: may cause lung damage if swallowed  
R67 : Vapours may cause drowsiness and dizziness