

**FIRESTONE TPO QUICKPRIME**

**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:**

Cleansing agent

**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 1, B-1120 Brussel

**2. Composition/information on ingredients**

Hazardous ingredients	CAS No. EINECS/ELINCS No.	Conc. in %	Hazard symbol	Risks (R-phrases)
low boiling point naphtha (conc benzene < 0.1%)	64742-89-8 265-192-2	40-60	F;Xn;N	12-38-51/53-65-67 (Labelling in compliance with CONCAWE )( 1)
toluene	108-88-3 203-625-9	20-40	F;Xn	11-38-48/20-63-65-67 (1)

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

**3. Hazards identification**

- Highly flammable
- Irritating to skin
- Harmful: danger of serious damage to health by prolonged exposure through inhalation
- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- Possible risk of harm to the unborn child
- Harmful: may cause lung damage if swallowed
- Vapours may cause drowsiness and dizziness

**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

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## 4.2 Skin contact:

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

## 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:

- Water spray
- Polyvalent foam
- BC powder
- Carbon dioxide

### 5.2 Unsuitable extinguishing media:

- Container may slop over if solid jet is applied

### 5.3 Special exposure hazards:

- Gas/vapour spreads at floor level: ignition hazard
- May build up electrostatic charges: risk of ignition
- On burning: release of toxic and corrosive gases/vapours (nitrous vapours, hydrogen chloride, 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
- Large spills/in enclosed spaces: compressed air apparatus

## 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
- Try to reduce evaporation

### 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
- Take collected spill to manufacturer/competent authority
- Clean contaminated surfaces with a soap solution

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## 7. Handling and storage

### 7.1 Handling:

- Observe strict hygiene
- Use spark-/explosionproof appliances and lighting system
- Take precautions against electrostatic charges
- Handle uncleaned empty containers as full ones
- Do not discharge the waste into the drain

### 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

Storage temperature	: 15/25	°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:

toluene

TLV-TWA	:	mg/m <sup>3</sup>	50	ppm
TLV-STEL	:	mg/m <sup>3</sup>	-	ppm
TLV-Ceiling	:	mg/m <sup>3</sup>		ppm
OES-LTEL	: 191	mg/m <sup>3</sup>	50	ppm
OES-STEL	: 574	mg/m <sup>3</sup>	150	ppm
MAK	: 190	mg/m <sup>3</sup>	50	ppm
TRK	:	mg/m <sup>3</sup>		ppm
MAC-TGG 8 h	: 150	mg/m <sup>3</sup>		
MAC-TGG 15 min.	:	mg/m <sup>3</sup>		
MAC-Ceiling	:	mg/m <sup>3</sup>		
VME-8 h	: 375	mg/m <sup>3</sup>	100	ppm
VLE-15 min.	: 550	mg/m <sup>3</sup>	150	ppm
GWBB-8 h	: 191	mg/m <sup>3</sup>	50	ppm
GWK-15 min.	: -	mg/m <sup>3</sup>	-	ppm
Momentary value	:	mg/m <sup>3</sup>		ppm
EC	:	mg/m <sup>3</sup>		ppm
EC-STEL	:	mg/m <sup>3</sup>		ppm

### Sampling methods:

- Toluene	NIOSH 4000
- Toluene	OSHA CSI
- Toluene	NIOSH 1500
- Toluene	OSHA 07
- Toluene (Hydrocarbons, aromatic)	NIOSH 1501
- Petroleum Distillate (Naphthas)	NIOSH 1550
- Petroleum Distillates (Naphtha)	OSHA 48

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## 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: Nitrile rubber  
PVA
- Breakthrough time: N.D.

### 8.3.3 eye protection:

- Protective goggles

### 8.3.4 skin protection:

- Head/neck protection
- Protective clothing  
Suitable materials: Nitrile rubber  
PVA

## 9. Physical and chemical properties

### 9.1 General information:

Appearance (at 20°C)	: Liquid
Odour	: Solvent
Colour	: Grey

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

pH value	: N.D.	
Boiling point/boiling range	: 85	°C
Flashpoint	: -8	°C
Explosion limits	: 1.2/7.1	vol% ( °C)
Vapour pressure (at 20°C)	: 29	hPa
Vapour pressure (at 50°C)	: N.D.	hPa
Relative density (at 20°C)	: 0.79	
Water solubility	: Insoluble	
Soluble in	: Methanol, toluene, heptane	
Relative vapour density	: 3.6	
Viscosity	: N.D.	Pa.s
Partition coefficient n-octanol/water	: N.D.	
Evaporation rate		
ratio to butyl acetate	: N.D.	
ratio to ether	: 3.5	

### 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

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## 10.3 Hazardous decomposition products:

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

## 11. Toxicological information

### 11.1 Acute toxicity:

LD50 oral rat	: N.D.	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:

toluene

EC carc. cat.	: not listed
EC muta. cat.	: not listed
EC repr. cat.	: 3

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)	: C

IARC classification	: 3
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### 11.3 Routes of exposure:

ingestion, inhalation, eyes and skin  
Caution! Substance is absorbed through the skin

### 11.4 Acute effects/symptoms:

- **AFTER INHALATION**
- EXPOSURE TO HIGH CONCENTRATIONS:
- Irritation of the respiratory tract
- Headache
- Nausea
- Feeling of weakness
- Dizziness
- CNS depression
- Narcosis
- Mental confusion
- Drunkenness
- Coordination disorders
- Disturbed motor response
- Disturbances of consciousness
- **AFTER INGESTION**
- Risk of aspiration pneumonia
- Nausea
- Abdominal pain
- Symptoms similar to those listed under inhalation
- **AFTER SKIN CONTACT**
- Tingling/irritation of the skin
- **AFTER EYE CONTACT**
- Irritation of the eye tissue

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## 11.5 Chronic effects:

- Causes damage to the central nervous system
- Prolonged exposure: danger of damage to health through inhalation
- Possibly hazardous to the foetus
- Not listed in carcinogenicity class (IARC,EC,TLV,MAK)
- Not listed in mutagenicity class (EC,MAK)
  
- ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:
  - Dry skin
  - Skin rash/inflammation
  - Impairment of the nervous system
  - Tremor
  - Impaired memory
  - Impaired concentration
  - Brain affection
  - Disturbances of heart rate
  - Change in the haemogramme/blood composition

## 12. Ecological information

### 12.1 Ecotoxicity:

- No data available

### 12.2 Mobility:

- **Volatile organic compounds (VOC):** G 60%
- Insoluble in water
- Substance floats 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:

- Hazardous waste (91/689/EEC)

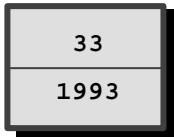
### 13.2 Disposal methods:

- Remove to an authorized plant for the destruction, neutralization and elimination of hazardous waste
- 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)

## 14. Transport information



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

```

UN number           : 1993
CLASS               : 3
SUB RISKS           : -
PACKING             : II
PROPER SHIPPING NAME :
UN 1993, Flammable liquid, n.o.s., Special provision 640D
(low boiling point naphtha)(toluene)
    
```

**14.2 ADR (transport by road)**

```

CLASS               : 3
PACKING             : II
CLASSIFICATION CODE : F1
DANGER LABEL TANKS : 3
DANGER LABEL PACKAGES : 3
    
```

**14.3 RID (transport by rail)**

```

CLASS               : 3
PACKING             : II
CLASSIFICATION CODE : F1
DANGER LABEL TANKS : 3
DANGER LABEL PACKAGES : 3
    
```

**14.4 ADNR (transport by inland waterways)**

```

CLASS               : 3
PACKING             : II
CLASSIFICATION CODE : F1
DANGER LABEL TANKS : 3
DANGER LABEL PACKAGES : 3
    
```

**14.5 IMDG (maritime transport)**

```

CLASS               : 3
SUB RISKS           : -
PACKING             : II
MFAG                : -
EMS                 : F-E, S-E
MARINE POLLUTANT    : -
    
```

**14.6 ICAO (air transport)**

```

CLASS               : 3
SUB RISKS           : -
PACKING             : II
PACKING INSTRUCTIONS PASSENGER AIRCRAFT : 305/Y305
PACKING INSTRUCTIONS CARGO AIRCRAFT      : 307
    
```

**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 1993'  
 or, in the case of different goods with different identification numbers within a single package:  
 - the letters 'LQ'

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## 15. Regulatory information

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



Highly flammable



Harmful



Dangerous for the environment

contains: low boiling point naphtha; toluene

R11 : Highly flammable  
R38 : Irritating to skin  
R48/20 : Harmful: danger of serious damage to health by prolonged exposure through inhalation  
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R63 : Possible risk of harm to the unborn child  
R65 : Harmful: may cause lung damage if swallowed  
R67 : Vapours may cause drowsiness and dizziness

S(02) : (Keep out of reach of children)  
S23 : Do not breathe vapour  
S36/37 : Wear suitable protective clothing and gloves  
S61 : Avoid release to the environment. Refer to special instructions/safety data sheets.  
S(62) : (If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label)

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## 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:

R11 : Highly flammable  
R12 : Extremely flammable  
R38 : Irritating to skin  
R48/20 : Harmful: danger of serious damage to health by prolonged exposure through inhalation  
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment  
R63 : Possible risk of harm to the unborn child  
R65 : Harmful: may cause lung damage if swallowed  
R67 : Vapours may cause drowsiness and dizziness