Firestone BUILDING PRODUCTS
NOBODY COVERS YOU BETTER.®

SAFETY DATA SHEET

Based on Directive 2001/58/EC of the Commission of the European Communities

QUICKPRIME PLUS LVOC

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.
EINECS No. : N.A.
RTECS No. : N.A.
NFPA code : N.D.
Molecular weight : 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)
4-chlorobenzotrifluoride	98-56-6 202-681-1	72	Xi	10-36/37/38 (1)
toluene	108-88-3 203-625-9	19	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 eyes, respiratory system and skin
- Harmful: danger of serious damage to health by prolonged exposure through inhalation
- 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

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

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
- Respiratory problems: consult a doctor/medical service

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:
- No data available

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 (chlorine, hydrofluoric acid, carbon monoxide - carbon dioxide)

5.4 Instructions:
- If exposed to fire cool the closed containers by spraying with water
- Dilute toxic gases with water spray
- Take account of environmentally hazardous firefighting water

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 leaking substance
- 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, e.g.: sand/earth
- Scoop absorbed substance into closing containers
- Carefully collect the spill/leftovers
- Do not use compressed air for pumping over spills
- Damaged/cooled tanks must be emptied
- Clean contaminated surfaces with an excess of water
- Wash clothing and equipment after handling

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
- Provide for a tub to collect spills
- Meet the legal requirements
- Provide the tank with earthing
- Keep away from: heat sources, ignition sources, oxidizing agents, acids, bases

Storage temperature	: N.D.	**°C**
Quantity limits	: N.D.	**kg**
Storage life	: N.D.	**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/m³**	50	**ppm**
TLV-STEL	:	**mg/m³**	-	**ppm**
OES-LTEL	: 191	**mg/m³**	50	**ppm**
OES-STEL	: 574	**mg/m³**	150	**ppm**
MAK	: 190	**mg/m³**	50	**ppm**
TRK	:	**mg/m³**		**ppm**
MAC-TGG 8 h	: 150	**mg/m³**		
MAC-TGG 15 min.	:	**mg/m³**		
VME-8 h	: 375	**mg/m³**	100	**ppm**
VLE-15 min.	: 550	**mg/m³**	150	**ppm**
GWBB-8 h	: 191	**mg/m³**	50	**ppm**
GWK-15 min.	: -	**mg/m³**	-	**ppm**
Momentary value	:	**mg/m³**		**ppm**
EC	:	**mg/m³**		**ppm**
EC-STEL	:	**mg/m³**		**ppm**

Sampling methods:

- Toluene	OSHA CSI
- Toluene (Hydrocarbons, aromatic)	NIOSH 1501
- Toluene	NIOSH 4000
- Toluene	OSHA 07
- Toluene	NIOSH 1500

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: No data available

- Breakthrough time: N.D.

8.3.3 eye protection:
- Protective goggles

8.3.4 skin protection:
- Head/neck protection
- Protective clothing
  Suitable materials: No data available

9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C)	:	Liquid
Odour	:	Characteristic
Colour	:	Black

9.2 Important health, safety and environmental information:

pH value	:	N.D.	
Boiling point/boiling range	:	110	**°C**
Flashpoint	:	4	**°C**
Explosion limits	:	1.2/7.0	**vol%** (**°C**)
Vapour pressure (at 20°C)	:	29	**hPa**
Vapour pressure (at 50°C)	:	N.D.	**hPa**
Relative density (at 20°C)	:	1.2	
Water solubility	:	Insoluble	
Soluble in	:	N.D.	
Relative vapour density	:	> 2	
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/m³**

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 (chlorine, hydrofluoric acid, 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

11.3 Routes of exposure: ingestion, inhalation, eyes and skin
Caution! Substance is absorbed through the skin

11.4 Acute effects/symptoms:

- **AFTER INHALATION**
- Irritation of the respiratory tract
- Irritation of the nasal mucous membranes
- EXPOSURE TO HIGH CONCENTRATIONS:
- Headache
- Nausea
- Feeling of weakness
- Delusions
- 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

11.5 Chronic effects:

- Possibly hazardous to the foetus
- Prolonged exposure: danger of damage to health through inhalation
- Causes damage to the central nervous system
- 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):** 91%
- Insoluble in water
- Substance sinks in water

For other physicochemical properties see heading 9

12.3 Persistence and degradability:

- **biodegradation BOD_5** : N.D. **% ThOD**
- **water** : - No data available
- **soil** : **T ½:** N.D. **days**

12.4 Bioaccumulative potential:

- **log P_{ow}** : 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): 07 06 04* (other organic solvents, washing liquids and mother liquors)
- Hazardous waste (91/689/EEC)

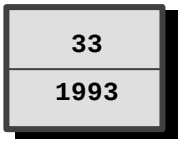
13.2 Disposal methods:

- Do not discharge into drains or the environment
- Dispose of at authorized waste collection point

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 (toluene, 4-chlorobenzotrifluoride)

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'

15. Regulatory information

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

Highly flammable

Harmful

contains: toluene; 4-chlorobenzotrifluoride

R11	:	Highly flammable
R36/37/38	:	Irritating to eyes, respiratory system and skin
R48/20	:	Harmful: danger of serious damage to health by prolonged exposure through inhalation
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)
S16	:	Keep away from sources of ignition - No smoking
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)

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

a:	aerosol		**r:**	rook/Rauch	(fume)
d:	damp	(vapour)	**st:**	stof/Staub	(dust)
du:	dust		**ve:**	vezel	(fibre)
fa:	Faser	(fibre)	**va:**	vapour	
fi:	fibre		**om:**	oil mist	
fu:	fume		**on:**	olienevel/Ölnebel	(oil mist)
p:	poussière	(dust)	**part:**	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
R36/37/38	:	Irritating to eyes, respiratory system and skin
R38	:	Irritating to skin
R48/20	:	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R63	:	Possible risk of harm to the unborn child
R65	:	Harmful: may cause lung damage if swallowed
R67	:	Vapours may cause drowsiness and dizziness