

FIRESTONE BUILDING PRODUCTS COMPANY**Material Safety Data Sheet****Product: QuickPrime Plus**

July 30, 2002

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: **QuickPrime Plus**
Chemical Name / Synonym: Butyl Rubber Adhesive
Manufacturers Name: Firestone Building Products Company
Manufacturers Address: 525 Congressional Blvd., Carmel, IN 46032, USA
Manufacturers Phone: + 1 317 575 70 00
Manufacturers Fax: + 1 317 575 71 00
24-Hour Emergency phone: USA: + 1 800 424 9300
Belgium: + 32 70 245 245 (Antigifcentrum)

SECTION 2: CHEMICAL COMPOSITION

Substance/Preparation:	Preparation			
Chemical Nature:	Butyl Rubber adhesive			
Hazardous components:				
CAS #	Component	% (by wt)	Hazard Classification	Hazard Labelling (Risk)
142-82-5	Heptane	40	F, Xn, Xi, N	11,38,50,53,65,67
108-88-3	Toluene	40	F, Xn	11, 20
67-56-1	Methyl Alcohol	3	F, T	11,23,24,25,39

SECTION 3: HAZARD IDENTIFICATION

Adverse human health effects: Eye contact may cause severe eye irritation, redness, tearing and blurred vision. Prolonged or repeated skin contact may cause irritation, dermatitis and drying of the skin. Absorption through intact skin may contribute to an individual's overall exposure. Inhalation may cause respiratory system irritation and central nervous depression (Narcosis) characterised by headache, dizziness, muscular weakness and fatigue. Inhalation of toluene vapours above 200 ppm may result in impairment of coordination, increased reaction time and a bad taste in the mouth. May cause unconsciousness if exposure is excessive.
Brief (4 minutes) exposure to heptane at concentrations above 5000 ppm produced nausea, loss of appetite, and a gasoline-like taste that persisted for hours after cessation of exposure.

Environmental effects: Contains heptane, which is toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

SECTION 4: FIRST AID MEASURES

Inhalation: In case of inhalation, remove to fresh, uncontaminated air. Administer oxygen if breathing is laboured. Give artificial respiration if breathing has stopped. Get medical attention immediately if oxygen or artificial respiration is administered.

Ingestion: In case of accidental ingestion, do not induce vomiting. Get medical attention and advise the physician of the nature of the material.



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Skin contact:	In case of skin contact, clean with rubbing alcohol first, followed immediately by washing affected area with soap and water.
Eye Contact:	If this material contacts the eyes, hold eyelids open and flush immediately with a gentle stream of water for at least 15 minutes, preferably at an eyewash fountain. Get medical attention.
Remarks:	None.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Foam, water spray, (fog), Carbon Dioxide, dry chemical and vaporising liquid type extinguishing agents may all be suitable for extinguishing fires involving this product. Water may be ineffective, but should be used to keep fire-exposed containers cool. If a leak or spill has ignited, use water to disperse the vapours and to protect persons attempting to stop a leak. Water spray may be used to flush spills away from exposure.
Recommended Fire Fighting Procedures:	Wear impermeable protective clothing and self-contained breathing apparatus.
Hazardous Combustion Products:	Carbon Dioxide, Carbon Monoxide, Aldehydes, acrid smoke and irritating fumes. Toxic fumes or vapours may be produced.
Unusual Fire and Explosion Hazards:	This product is volatile and gives off invisible vapours. Either the liquid or vapour may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions:	Shut off and eliminate all ignition sources. Keep people away. Minimize breathing vapours. Minimize skin contact. Ventilate confined spaces. Open all windows and doors.
Environmental Precautions:	Keep product clear of sewers, water or extensive land areas. Assure conformity with applicable government regulations.
Methods for cleaning up:	Recover free product. Add sand, earth or other suitable absorbent to spill area. Continue to observe precautions for volatile, flammable vapours from absorbed material.

SECTION 7: HANDLING AND STORAGE

Handling:	Keep materials away from heat, sparks and open flames. Keep containers closed.
Storage:	Keep materials away from heat, sparks and open flames. Keep containers closed. Vapours of this material are heavier than air and will collect in low or confined areas. Containers, even those that have been emptied, can contain explosive vapours. Do not cut, drill, grind, weld or perform similar operations near containers. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground all transfer containers and equipment.



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SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Not relevant.**Working Conditions:** Use with ventilation sufficient to prevent exceeding recommended exposure limits or build up of explosive concentrations of vapour in air.**Control Parameters:**

<u>Component</u>		<u>MAC</u>	<u>EU-OEL</u>	<u>USA</u>
Heptane	TGG 8h	1200 mg/m ³	2085 mg/m ³	TLV 400 ppm
	TGG 15 min	1600 mg/m ³	-	-
Toluene	TGG 8h	150 mg/m ³	-	TLV 50 ppm
Methyl alcohol	TGG 8h	260 mg/m ³	-	TLV 200 ppm

Personal Protective Equipment:

- **Respiratory equipment:** If personal exposure concentrations cannot be maintained below the appropriate exposure limits using engineering controls, an approved organic vapour air purifying respirator may be appropriate based on employer-determined exposure levels. Air supplied or SCBA respirators may be required when the measured chemical concentration exceeds the capacity of the air purifying respirator or when personal exposure levels are unknown.

- **Eye Protection:** Safety glasses with side shields are recommended when using this product.

- **Skin Protection:** Wear polyvinyl alcohol, nitrile rubber or neoprene gloves when handling this product to avoid prolonged skin contact.

- **Other:** None

Work/Hygienic Practices Wash exposed skin prior to eating, drinking and smoking and at the end of each shift. Wash contaminated clothing prior to reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour:	Slightly viscous liquid / Aromatic Odour.		
Flash Point:	-18 C	Lower Explosive Limit:	1.2%
Method used:	Tagliabue closed tester	Upper Explosive Limit	7.0%
Evaporation rate:	Unknown	Boiling Point:	66 – 140 C
pH (undiluted product):	Not applicable	Melting Point:	Not Applicable
Solubility in water:	Insoluble	Specific Gravity:	0.793 (Water = 1)
Solubility in oil:	Unknown	Percent Volatile:	83%
Vapour density:	3.0 – 3.7 (Air = 1)	Decomposition temperature:	Unknown
Vapour pressure:	95 – 125 mmHG @ 20 C	Auto-ignition temperature:	Unknown

SECTION 10: STABILITY AND REACTIVITY

Thermal Stability: Stable.**Conditions/Materials to avoid:** Avoid flames, sparks and other sources of ignition. Incompatible with acids, alkalis and strong oxidizing agents.**Hazardous decomposition products /** Product will not undergo polymerisation.**Hazardous polymerisation:**

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SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity:

<u>Component</u>	<u>Concentration</u>	<u>Laboratory Animal</u>
Heptane	-	-
Toluene	LC ₅₀ : 8000 ppm/4hr	Rat
	LD ₅₀ : 5 g/kg	Rat
Methyl Alcohol	LC ₅₀ : 64000 ppm/4hr	Rat
	LD ₅₀ : 5.6 g/kg	Rat

OEL values:

See Section 8.

Chronic Toxicity:

May cause kidney, liver, spleen and central nervous system damage. May cause brain cell and neuromuscular damage based on animal studies.

Sensitisation:

None known

Carcinogenicity:

None

Medical Conditions Aggravated by

Exposure:

Exposure to this product may aggravate pre-existing skin and respiratory diseases.

SECTION 12: ECOTOXICOLOGICAL INFORMATION

Ecotoxicity:

This product contains heptane that is harmful to the aquatic environment as mentioned in the EC directive 76/464/EEC.

The product does not dissolve in water (see chapter 9); prevent draining away in sewers and open bodies of water.

SECTION 13: DISPOSAL CONSIDERATIONS

Packaging:

The empty (drip and scrape) packaging must be considered to be contaminated empty packaging.

Immobilization:

Adhesive rests can be immobilized by drying (exposure to the air). Dispose of according to regulation.

Contaminated Packaging:

Leave the packaging open during a few days till the adhesive has dried, then the packaging can be disposed of according to regulation.

Not immobilized Product:

Disposal conforming to local, state, or national legislation governing the disposal of waste materials.

SECTION 14: TRANSPORT INFORMATION

UN classification:

1133 (Adhesive; Flammable Liquid)

ADR (road transport):

Class: 3.5 b)

IMDG (sea transport):

Hazard Class: 3.2

ICAO (air transport):

Class: Not applicable

Packaging Group: II

Packaging Group: II

Packaging group: Not applicable

Hazard label: 3

IMDG-page: 3174

TREM-card: 30G30

Label: 3



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SECTION 15: REGULATORY INFORMATION

Regulations: Labelling according to EC directive 67/548/EEC and EC Directive 88/379/EEC

Hazardous components

Component	Concentration (%w)	Hazard Class	R-sentences	S-sentences
Heptane	40	F, Xi, Xn, N	11,38,50,53,65,67	9,16,29,33,60,61,62,(2)
Toluene	40	F, Xn	11,20	16,25,29,33,(2)
Methyl Alcohol	3	F, T	11,23,24,25,39	7,16,36,37,45

Obligatory information on label

Hazard Coding Symbol:	Xn + F + N	(Harmful, highly flammable, dangerous for the environment)
R-sentences:	11 68/20/21/22	Highly flammable. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.
	38	Irritating to skin.
	50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	65	Harmful: may cause lung damage if swallowed.
	67	Vapours may cause drowsiness and dizziness.
S-sentences	7/9 16 25 29 33 36/37 45 60 61 62	Keep container tightly closed and in a well-ventilated place. Keep away from sources of ignition – No smoking. Avoid contact with eyes. Do not empty into drains. Take precautionary measures against static discharges. Wear suitable protective clothing and gloves. In case of accident or if you feel unwell, seek medical advice immediately (show label where possible). This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data sheets. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

SECTION 16: OTHER INFORMATION

Additional Comments:	None
Date of latest US format MSDS:	1-Mar-02
Date of previous ISO format MSDS:	New MSDS.
Changes since previous MSDS:	New MSDS.
Telephone number for additional Information:	+1 317 575 7190



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