

PC® 88 adhesive Component 1
Material Safety Data Sheet

May 21, 2009

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PC® 88 Adhesive Component 1

Manufacturer/Supplier:

Pittsburgh Corning Corporation

800 Presque Isle Drive

Pittsburgh, PA 15239

Information Number: 724-327-6100

CHEMTREC: 800/424-9300

Generic Name: solvent based adhesive/sealant

Use: PC® 88 Adhesive Component 1 is part 1 of a two part adhesive used to bond FOAMGLAS® insulation to itself or to other porous or nonporous substrates.

General Comments: General information and emergency information available 8:00 AM – 5:00 PM Monday through Friday.

CHEMTREC telephone number is to be used only in the event of chemical transportation emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to technical service.

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	App. % by wt.	CAS #
Hydro Treated Heavy Naphthenic Distillate	5-15	64742-52-5
Hydroxyl Terminated Polybutadiene	15-25	69102-90-5
Petroleum Asphalt	20-30	8052-42-4
Coal, Bituminous	35-45	NA
Hydrocarbon Solvent	2-8	64742-89-8
Ceramic Fiber	<5	UN
Ethyl Benzene	<1	100-41-4

SECTION 3 – HAZARDOUS IDENTIFICATION

HAZARDOUS POLYMERIZATION: Will Not Occur

ROUTES OF EXPOSURE: Inhalation, Skin, Eyes and Ingestion.

IMMEDIATE EFFECTS:

INHALATION: No significant signs or symptoms indicate of any adverse health hazard are expected to occur at standard conditions due to the low volatility of this material.

SKIN CONTACT: Prolonged or repeated contact may cause skin irritation.

EYE CONTACT: Irritating, but will not permanently injure eye tissue

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INGESTION: If swallowed, this product may cause vomiting, nausea and diarrhea and maybe harmful if swallowed in large amounts.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

ACUTE: None

CHRONIC: Prolonged contact may cause dermatitis.

SECTION 4 – FIRST AID MEASURES

GENERAL ADVICE:

INHALATION: Inhalation is improbable unless exposed to heated vapors. Move victim to fresh air. If breathing is difficult give oxygen. If breathing has stopped give artificial respiration. **SEEK MEDICAL ATTENTION.** If a person breathes large amounts of heated product vapors, move the exposed person to fresh air at once. If breathing difficult, **GET MEDICAL ATTENTION.**

SKIN CONTACT: Remove with waterless hand cleaner. Wash with soap and water. If solid product gets on the skin, wash the contaminated skin with soap and water. If irritation develops or persists after the area has been washed. **GET MEDICAL ATTENTION.**

EYE CONTACT: Remove contact lenses. Flush eyes with large amounts of water, preferably lukewarm water, for at least 15 minutes. If irritation persists, **GET MEDICAL ATTENTION.**

INGESTION: Do not induce vomiting! If conscious give large quantities of water. Keep victim warm and quiet. **SEEK MEDICAL ATTENTION.** Should vomiting occur, lean victim over to reduce the risk of aspiration. **NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.**

SECTION 5 – FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Foam, Carbon Dioxide or dry chemical. If entering a confined area, use self-contained breathing apparatus if applicable

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: Stable.

SENSITIVITY TO STATIC DISCHARGE: Stable.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PRECAUTIONS FOR PERSONNEL: Wear protective clothing. Including gloves, and protective eyewear.

ENVIRONMENTAL PRECAUTIONS: Avoid discharge to drains, sewers and natural water supply.

PROCESS FOR CLEANING: Absorb with inert material. Remove sources of ignition. Scoop material with non-sparking tools.

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SECTION 7 – HANDLING AND STORAGE

HANDLING: Avoid direct contact with product. No special ventilation required.

STORAGE: Store away from ignition sources and open flames.

SECTION 8 – EXPOSURE RESTRICTIONS AND PERSONAL PROTECTION

EXPOSURE LIMITS

Ingredient	App. % by wt.	TLV	NIOSH REL TWA	PEL	CAS #
Hydro Treated Heavy Naphthenic Distillate*	5-15	5.0 mg/m ³	5.0 mg/m ³	5.0 mg/m ³	64742-52-5
Hydroxyl Terminated Polybutadiene	15-25	NE	NE	NE	69102-90-5
Petroleum Asphalt*	20-30	0.5 mg/m ³	5 mg/m ³	0.5 mg/m ³	8052-42-4
Coal, Bituminous	35-45	2.0 mg/m ³	2.4 mg/m ³	2.0 mg/m ³	NA
Hydrocarbon Solvent	2-8	300 ppm	300 ppm	300 ppm	64742-89-8
Ceramic Fiber ¹	<5	NE	NE	NE	UN
Ethyl Benzene	<1	100 ppm	100 ppm	100 ppm	100-41-4

* As Fumes

¹ inextricably bound in asphalt matrix and won't be released for inhalation under normal application use.

ADDITIONAL ADVICE: No special clothes are required, but do wear gloves.

SECTION 9 – PHYSICAL PROPERTIES

Freezing Point: °C (°F)	NA	Flash Point : °C (°F) TCC	>66 (150)
Boiling Point: °C (°F)	119 (246)	Ignition Temperature: °C (°F)	UN
Vapor Pressure (MM Hg):	26 @ 38°C (100°F)	Flammable Limits: LEL	NE
		UEL	NE
Vapor Density (Air = 1)	3.8	Specific Gravity (H ₂ O = 1):	1.048
Solubility in Water:	Insoluble	Percent Volatile By Volume (%)	5.5
Appearance and Odor:	Black viscous liquid with sweet hydrocarbon type odor	pH:	NA
		Evaporation Rate (BuAC=1)	1.2

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Open Flame and contact with strong oxidizing agents

MATERIALS TO AVOID: None known

DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide and Oxides of Nitrogen.

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SECTION 11 – TOXICOLOGICAL INFORMATION

CAS #	INGREDIENT	DERMAL LD50	INHALATION LD50	ORAL LD50
64742-52-5	Hydro Treated Heavy Naphthenic Distillate*	>3g/kg	NE	>5g/kg (rat)
69102-90-5	Hydroxyl Terminated Polybutadiene	NE	NE	NE
8052-42-4	Petroleum Asphalt*	NE	NE	NE
NA	Coal, Bituminous	NE	NE	NE
64742-89-8	Hydrocarbon Solvent	>4,000 mg/kg (rat)	3,400 mg/kg (rat)	>8,000 mg/kg (rat)
UN	Ceramic Fiber ¹	NE	NE	NE
100-41-4	Ethyl Benzene	>15,443 mg/kg (rabbit)	> 4000 mg/kg (rat)	> 3,500 mg/kg (rat)

CAS #	INGREDIENT	CARCINOGENICITY		TERATOGENICITY	MUTAGENICITY
		ACGIH	IARC		
64742-52-5	Hydro Treated Heavy Naphthenic Distillate*	NE	NE	NE	NE
69102-90-5	Hydroxyl Terminated Polybutadiene	NE	NE	NE	NE
8052-42-4	Petroleum Asphalt*	NE	NE	NE	NE
NA	Coal, Bituminous	NE	NE	NE	NE
64742-89-8	Hydrocarbon Solvent	NE	NE	NE	NE
UN	Ceramic Fiber ¹	NE	NE	NE	NE
100-41-4	Ethyl Benzene	Yes	Yes	Yes	Yes

SECTION 12 – ECOLOGICAL INFORMATION

VOLATILE ORGANIC COMPOUNDS: 63.5 Grams Per Liter (g/l). 0.53 Pounds Per Gallon (lb/g).

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal should be made in accordance with Federal, State and Local regulations.

SECTION 14 – TRANSPORT INFORMATION

SHIPPING CLASS: Not Regulated

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SECTION 15 – REGULATORY INFORMATION

SARA SECTION 302:

SARA (311,312) HAZARD CLASS:

SARA (313) CHEMICALS: Ethyl Benzene

CERCLA: NA

CPSC CLASSIFICATION:

HMIS: FLAMMABILITY: 1 REACTIVITY: 0 HEALTH: 1

NFPA: FLAMMABILITY: 1 REACTIVITY: 0 HEALTH: 1

WHMIS CLASSIFICATION: CLASS D Division 2B CLASS B Division 2

CALIFORNIA PROPOSITION 65:

- A. This product contains a chemical known to the State of CA to cause birth defects or other reproductive harm.
- B. This product contains a chemical known to the State of CA to cause cancer.
- C. This product contains a chemical known to the State of CA to cause cancer and birth defects or other reproductive harm.

SECTION 16 – OTHER INFORMATION

NA = not applicable

NE = not established

UN = unavailable

CL = Ceiling Limit

NEGL = Negligible

PROP. = Proprietary

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