

**Material Safety Data Sheet****SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: PC® 136 adhesive

Manufacturer/Supplier:

Pittsburgh Corning Corporation

800 Presque Isle Drive

Pittsburgh, PA 15239

Information Number: 724-327-6100

CHEMTREC: 800/424-9300

Generic Name: Bitumen resin tape

Use: PC® 136 adhesive is a cementitious product that is mixed with water to form an inorganic, noncombustible adhesive for fabricating FOAMGLAS® insulation.

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**

<b>Ingredient</b>	<b>App. % by wt.</b>	<b>CAS #</b>
Tetracalcium Silicate	40-60	12168-85-3
Dicalcium Silicate	40-60	10034-77-2
Tricalcium Aluminate	40-60	12042-78-3
Tetracalcium Aluminoferrite	40-60	12068-35-3
Calcium Sulphate	40-60	13397-24-5

**SECTION 3 – HAZARDOUS IDENTIFICATION**

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

**IMMEDIATE EFFECTS:**

**INHALATION:** Product is alkaline and can irritate mucous membranes. Contact physician if irritation develops.

**SKIN CONTACT:** Product is alkaline and can irritate skin. If skin contact is made and irritation develops, contact physician.

**EYE CONTACT:** Product is alkaline and can irritate eye. If eye contact is made and irritation develops, contact physician.

**INGESTION:** If ingested, seek medical attention.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:**

**ACUTE:** Inhalation – inhalation process may cause respiratory, eye, or nose irritation.

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CHRONIC: Inhalation – Product is alkaline and can irritate eye, skin and mucous membranes. As per IARC continued inhalation of silica crystalline quartz over a number of years will cause lung cancer and/or silicosis.

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**SECTION 4 – FIRST AID MEASURES**

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## GENERAL ADVICE:

INHALATION: Move the exposed person to fresh air at once. If necessary, give artificial resuscitation or oxygen. If breathing is difficult, GET MEDICAL ATTENTION.

SKIN CONTACT: Brush off excess. Wash with soap and water. If rash or irritation develops, seek physician.

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: Seek medical attention. Do not give anything by mouth to unconscious person. Give milk or egg white beaten with water until vomit fluid is clear. If vomiting does not occur, induce vomiting. GET MEDICAL ATTENTION.

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**SECTION 5 – FIRE FIGHTING MEASURES**

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SUITABLE EXTINGUISHING MEDIA: Not combustible, if decomposition occurs use a self contained breathing apparatus

## EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: NA

SENSITIVITY TO STATIC DISCHARGE: NA

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus and protective clothing.

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**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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PRECAUTIONS FOR PERSONNEL: Wear proper protective clothing and equipment.

ENVIRONMENTAL PRECAUTIONS: Remove all sources of ignition. Use dustless methods. All in accordance with local, state and federal government regulations.

PROCESS FOR CLEANING: Do not dry sweep. Scoop or vacuum discharge and place in dry drums. Do not wash down drains- may plug drain.

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**SECTION 7 – HANDLING AND STORAGE**

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HANDLING: Wash hands before eating, drinking, smoking or using toilet..

STORAGE: Store closed containers in cool and dry locations away from food and beverages (keep it closed when not used).

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KEEP AWAY FROM CHILDREN

RESPIRATORY PROTECTION: A properly fitted, MSHA/NIOSH approved (3m9900 or equivalent) respirator is recommended.

VENTILATION: Provide adequate cross air circulation, use mechanical/local exhaust at point of use or in confined areas.

PROTECTIVE GLOVES: Wear impervious rubber gloves

EYE PROTECTION: Safety glasses recommended.

OTHER PROTECTIVE MEASURES: Rubber boot/foot covering, cap, chemical apron, long sleeve impervious work clothing, barrier cream recommended.

SPECIAL PRECAUTIONS: Avoid prolonged contact with material.

**SECTION 8 – EXPOSURE RESTRICTIONS AND PERSONAL PROTECTION**

Ingredient	App. % by wt.	EXPOSURE LIMITS			CAS #
		TLV	NIOSH REL TWA	PEL	
Tetracalcium Silicate	40-60	30 mppcf	UN	0.10 mg/m <sup>3</sup>	12168-85-3
Dicalcium Silicate	40-60	30 mppcf	UN	0.10 mg/m <sup>3</sup>	10034-77-2
Tricalcium Aluminate	40-60	30 mppcf	UN	0.10 mg/m <sup>3</sup>	12042-78-3
Tetracalcium Aluminoferrite	40-60	30 mppcf	UN	0.10 mg/m <sup>3</sup>	12068-35-3
Calcium Sulphate	40-60	30 mppcf	UN	0.10 mg/m <sup>3</sup>	13397-24-5

ADDITIONAL ADVICE: See Section 7. Avoid prolonged contact with material.

**SECTION 9 – PHYSICAL PROPERTIES**

Freezing Point: °C (°F)	NA	Flash Point : °C (°F) TCC	NA
Boiling Point: °C (°F)	870 (1598)	Ignition Temperature: °C (°F)	NA
Vapor Pressure (MM Hg):	NA	Flammable Limits: LEL	NA
		UEL	NA
Vapor Density (Air = 1)	NA	Specific Gravity (H <sub>2</sub> O = 1):	2.65
Solubility in Water:	Slight	Percent Volatile By Volume (%)	Nil
Appearance and Odor:	Gray to dark gray dry powder/slight odor	pH:	8.9
		Evaporation Rate (BuAC=1)	NA

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**SECTION 10 – STABILITY AND REACTIVITY**

STABILITY:	Stable
CONDITIONS TO AVOID:	NA
MATERIALS TO AVOID:	Organic and inorganic acids. Acid will react with cement and carbonates
HAZARDOUS POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	N/A

**SECTION 11 – TOXICOLOGICAL INFORMATION**

CAS #	INGREDIENT	DERMAL LD50	INHALATION LD50	ORAL LD50
12168-85-3	Tetracalcium Silicate	NE	NE	NE
10034-77-2	Dicalcium Silicate	NE	NE	NE
12042-78-3	Tricalcium Aluminate	NE	NE	NE
12068-35-3	Tetracalcium Aluminoferrite	NE	NE	NE
13397-24-5	Calcium Sulphate	NE	NE	NE

CAS #	INGREDIENT	CARCINOGENICITY		TERATOGENICITY	MUTAGENICITY
		ACGIH	IARC		
12168-85-3	Tetracalcium Silicate	NE	YES	NE	NE
10034-77-2	Dicalcium Silicate	NE	YES	NE	NE
12042-78-3	Tricalcium Aluminate	NE	NE	NE	NE
12068-35-3	Tetracalcium Aluminoferrite	NE	NE	NE	NE
13397-24-5	Calcium Sulphate	NE	NE	NE	NE

Note: As per IARC continued inhalation of silica crystalline quartz over a number of years will cause lung cancer and/or silicosis.

**SECTION 12 – ECOLOGICAL INFORMATION**

VOLATILE ORGANIC COMPOUNDS: 0 Grams Per Liter (g/l). 0 Pounds Per Gallon (lb/g).

**SECTION 13 – DISPOSAL CONSIDERATIONS**

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

**SECTION 14 – TRANSPORT INFORMATION**

SHIPPING CLASS: Not Regulated

**SECTION 15 – REGULATORY INFORMATION**

SARA SECTION 302:

SARA (311,312) HAZARD CLASS:

SARA (313) CHEMICALS: NONE

CERCLA: NA

CPSC CLASSIFICATION:

HMIS: FLAMMABILITY: 0 REACTIVITY: 0 HEALTH: 1

NFPA: FLAMMABILITY: 0 REACTIVITY: 0 HEALTH: 1

WHMIS CLASSIFICATION: NA NA

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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