
SECTION 1 – IDENTIFICATION

Product Name: PITTSEAL[®] 444N^s sealant

Manufacturer/Supplier:

Pittsburgh Corning Corporation

800 Presque Isle Drive

Pittsburgh, PA 15239

Information Number: 724-327-6100

CHEMTREC: 800/424-9300

Generic Name: Butyl rubber based sealant

Use: PITTSEAL[®] 444N^s sealant is a specially formulated butyl sealant used for sealing joints in FOAMGLAS[®] insulation systems, and to seal protrusions and metal jacket laps.

Chemical Family: Mixture

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 – HAZARD(S) IDENTIFICATION

HAZARD CLASSIFICATION:

Skin Irritant 2
Eye Irritant 2A



SIGNAL WORD:

WARNING

HAZARD STATEMENT:

H315 Causes skin irritation
H319 Causes serious eye irritation

PRECAUTIONARY STATEMENTS: If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Wear protective gloves.

Wear eye protection I face protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Specific treatment (see on this label).

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

HAZARDOUS POLYMERIZATION: Will Not Occur

ROUTES OF EXPOSURE:

Inhalation, Skin, Eyes and Ingestion.

IMMEDIATE EFFECTS:

INHALATION:

No serious effects anticipated under normal conditions of use. Vapor may irritate respiratory tract.

SKIN CONTACT:

Irritant effect may be delayed.

EYE CONTACT: Direct contact with eye causes severe irritation.

INGESTION: May be harmful if ingested, not a likely route of entry.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

ACUTE: Pre-existing eye, skin, liver, kidney, and respiratory disorders may be aggravated by exposure.

CHRONIC: Prolonged or repeated exposure to mineral spirits (petroleum naphtha or Stoddard solvent) may cause defatting, drying, and irritation of the skin, dermatitis, central nervous system (CNS) effects, and adverse liver, kidney, and lung effects.

Carcinogenicity – There are no components in this product that are listed as a carcinogen by NTP, IARC, ACGIH or OSHA:

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	App. % by wt.	CAS #
Calcium Carbonate ¹	25 - 50	471-34-1
Stoddard solvent (Mineral Spirits)	10 - 25	8052-41-3
Magnesite	2.5 - 10.0	546-93-0
Clay (Kaolin)	2.5 – 10.0	1332-58-7
Silicic acid	≤2.5	1344-09-8

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

*Identified as probably carcinogen to humans by IARC.

SECTION 4 – FIRST AID MEASURES

GENERAL ADVICE: Get immediate medical attention for any significant overexposure. Have product container or label at hand.

INHALATION: Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention immediately.

SKIN CONTACT: Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.

EYE CONTACT: Flush immediately with running water for several minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation occurs or persists.

INGESTION: An unlikely route of entry. Do not induce vomiting unless advised by a physician. Call nearest Poison Control Center or Physician immediately.

SECTION 5 – FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: If water fog is ineffective, use carbon dioxide, dry chemical or foam. If entering a confined area, use self-contained breathing apparatus.

EXPLOSION DATA:

SENSITIVITY TO MECHANICAL IMPACT: NA
SENSITIVITY TO STATIC DISCHARGE: NA

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition may produce toxic fumes of Carbon Monoxide, and Carbon dioxide.

SPECIAL FIRE FIGHTING MEASURES: None. Full emergency equipment with self –contained breathing apparatus and full protective clothing should be worn by firefighters.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PRECAUTIONS FOR PERSONNEL: Ensure adequate ventilation.
Wear personal protective equipment. Refer to recommendations in section 8.
Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling and before eating or drinking.

ENVIRONMENTAL PRECAUTIONS: Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/surface or ground water.

PROCESS FOR CLEANING: Scrape up and transfer to appropriate container for disposal. Dispose of contaminated material as waste in accordance with federal, state, regional, and local regulations.

REGULATORY REQUIREMENTS: Follow applicable OSHA regulations (29 CFR 1910.120).

SECTION 7 – HANDLING AND STORAGE

HANDLING: Use personal protection recommended in section 8. No special precautions are necessary if used correctly. Avoid eye, skin and clothing contact. Use only with adequate ventilation. Avoid prolonged breathing vapor. Contact lens wearers take appropriate precaution. Keep out of reach of children. Keep container closed when not in use.

STORAGE: Store in sealed containers in a cool dry ventilated area. (Keep away from heat, sparks and flame.)

SECTION 8 – EXPOSURE RESTRICTIONS AND PERSONAL PROTECTION

EXPOSURE LIMITS

Ingredient	App. % by wt.	TLV	OSHA REL TWA	PEL	CAS #
Calcium Carbonate	25 - 50	NE	5 mg/m ³ Respirable 15 mg/m ³ Total Dust	5 mg/m ³ Respirable 15 mg/m ³ Total Dust	471-34-1
Stoddard solvent (Mineral Spirits)	10 - 25	525 mg/m ³ 100 ppm	350 mg/m ³ 1800 mg/m ³ CLV	2900 mg/m ³ 500 ppm	8052-41-3
Magnesite	2.5 – 10.0	NE	5 mg/m ³ Respirable 10 mg/m ³ Total Dust	5 mg/m ³ Respirable 15 mg/m ³ Total Dust	546-93-0
Clay (Kaolin)	2.5 – 10.0	2 mg/m ³ Respirable	5 mg/m ³ Respirable 10 mg/m ³ Total Dust	5 mg/m ³ Respirable 15 mg/m ³ Total Dust	1332-58-7
Silicic acid	≤2.5	NE	NE	NE	1344-09-8

EXPOSURE GUIDELINES:

See above

ENGINEERING CONTROLS:

Use local exhaust when the general ventilation is not sufficient to keep the airborne contaminant concentration below the exposure limit shown below. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION:

Wear safety glasses or goggles to avoid eye contact.

SKIN PROTECTION:

Wear impervious gloves such as vinyl to minimize contact with skin. Wear normal protective work clothing with long sleeved shirt.

RESPIRATORY PROTECTION:

Not required under normal conditions of use. Wear appropriate, properly fitted NIOSH/MSHA approved organic vapor or supplied air respirator when airborne contaminant level(s) are expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.

ENVIRONMENTAL EXPOSURE CONTROL:

No specific controls are needed.

WORK/HYGIENIC PRACTICES:

Avoid contact with eyes and skin. Wash thoroughly after handling and before eating or drinking.

SECTION 9 – PHYSICAL PROPERTIES

Appearance:	Gray paste	Flash Point : °C (°F)	≈51.1 (≈124.0)
Odor:	Naphtha	Ignition Temperature: °C (°F)	230 (446)
Odor Threshold:	NE	Evaporation Rate (BuAC=1)	UN
pH	NE	Flammability:	Combustible
Melting Point/Freezing Point: °C (°F)	UN	Flammable Limits: LEL	UN
		UEL	UN
Boiling Point: °C (°F)	400°C (752°F)	Vapor Pressure: (MM Hg): pH:	UN
Solubility in Water:	Negligible	Vapor Density: (Air = 1)	> 1
Partition Coefficient: n-octanol/water:	NE	Specific Gravity: (H ₂ O = 1):	1.35
Decomposition Temperature	NE	Density: lbs./gal	11.266
Viscosity	UN	Evaporation Rate: (BuAC=1)	NA
VOC: g/l (lbs./gal)	267 (2.23)	Percent Volatile By Volume: (%)	20

SECTION 10 – STABILITY AND REACTIVITY

REACTIVITY: Will react with strong oxidizing agents

STABILITY: Stable

POSSIBILITY OF HAZARDOUS REACTIONS: Hazardous reaction will not occur

CONDITIONS TO AVOID: None known

MATERIALS TO AVOID: Strong oxidizing agents

DECOMPOSITION PRODUCTS: Thermal decomposition may produce toxic fumes of CO and /or CO₂.

SECTION 11 – TOXICOLOGICAL INFORMATION

CAS #	INGREDIENT	DERMAL LD50	INHALATION LC50	ORAL LD50
471-34-1	Calcium Carbonate ¹	NE	NE	NE
1317-65-3	Stoddard solvent (Mineral Spirits)	UN	UN	UN
8052-41-3	Magnesite	UN	UN	UN
546-93-0	Clay (Kaolin) ¹	UN	UN	UN
1344-09-8	Silicic acid	UN	UN	UN

CAS #	INGREDIENT	CARCINOGENICITY		TERATOGENICITY	MUTAGENICITY
		ACGIH	IARC		
471-34-1	Calcium Carbonate ¹	None	None	None	None
1317-65-3	Stoddard solvent (Mineral Spirits)	None	None	None	None
8052-41-3	Magnesite	None	None	None	None
546-93-0	Clay (Kaolin) ¹	None	None	None	None
1344-09-8	Silicic acid	UN	UN	UN	UN

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

SECTION 12 – ECOLOGICAL INFORMATION

BIODEGRADATION: No information is available
 BIOACCUMULATION: No information is available.
 AQUATIC TOXICITY: Not expected to be harmful to aquatic organisms.
 OTHER INFORMATION: Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow product to reach ground water, water course or sewage system, even in small quantities.

SECTION 13 – DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Not regulated under RCRA. Incinerate at an EPA approved facility or dispose of waste in compliance with federal, state, regional, and local regulations.

SECTION 14 – TRANSPORT INFORMATION

SPECIAL SHIPPING INFORMATION: None
 DOT SHIPPING CLASS: Not regulated.
 TDG: Not regulated
 IMDG: Not regulated
 PIN: Not available

SECTION 15 – REGULATORY INFORMATION

Rotterdam Convention (PIC) Annex III: listed (Tributyl tin compounds (impurities) <2ppm)

US Regulatory Information

OSHA 29 CFR 1910-1200: Irritant
 TSCA: All components of this product are listed on TSCA Inventory
 SARA Title III:

SARA SECTION 302: None
 SARA SECTION 304: NA
 SARA (311,312) HAZARD CLASS: Immediate (Acute) health hazard Chronic health hazard
 SARA (313) CHEMICALS: None

CERCLA: NA
 RCRA: Refer to section 13
 CPSC CLASSIFICATION: NA

HMIS: FLAMMABILITY: 2 REACTIVITY: 0 HEALTH: 2

NFPA: FLAMMABILITY: 2 REACTIVITY: 0 HEALTH: 2

WHMIS CLASSIFICATION: D2B

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

Prepared in accordance with 29 CFR 1910.1200

This Product has been classified in accordance with the hazard criteria of the Controlled Products

NA = not applicable
Value

NE = not established

UN = unavailable

CLV = Ceiling Limit

NEGL = Negligible

PROP. = Proprietary

"THE DATA INCLUDED HEREIN ARE PRESENTED IN ACCORDANCE WITH THE VARIOUS ENVIRONMENT, HEALTH AND SAFETY REGULATIONS. IT IS THE RESPONSIBILITY OF A RECIPIENT OF THIS DATA TO REMAIN CURRENTLY INFORMED ON CHEMICAL HAZARD INFORMATION, TO DESIGN AND UPDATE ITS INFORMED ON CHEMICAL HAZARD INFORMATION, TO DESIGN AND UPDATE ITS OWN PROGRAM AND TO COMPLY WITH ALL NATIONAL, FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS APPLICABLE TO SAFETY, OCCUPATIONAL HEALTH, RIGHT-TO-KNOW AND ENVIRONMENTAL PROTECTION."

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