

**Material Safety Data Sheet**

Section 1 – Chemical Product and Company Identification

Product Name: PITTSEAL® 444N sealant

Manufacturer/Supplier:

Pittsburgh Corning Corporation  
 800 Presque Isle Drive  
 Pittsburgh, PA 15239

Information Number: 724-327-6100  
 CHEMTREC: 800/424-9300

Issue Date: September 14, 2001      revision 1

Generic Name: solvent based sealant

NFPA HAZARD CLASS: Health: 2    Fire: 1    Reactivity: 0

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

General Comments

General information and emergency information available 8:00 AM – 5:00 PM ET 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.

NA = Not Applicable or Not Available

NE = not established

Section 2 – Composition/Information on Ingredients

EXPOSURE LIMITS

Ingredient	CAS number	% by weight	ACGIH TLV	OSHA PEL	NTP IARC
Sodium silicate	1344-09-8	1-5	NE	NE	see sections 3,11 & 16
Mineral oil	8012-95-1	10-30	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	see sections 3,11 & 16
Stoddard solvent (mineral spirits)	8052-41-3	5-10	100 ppm	500 ppm 2900 mg/m <sup>3</sup>	see sections 3,11 & 16
Calcium Carbonate <sup>1</sup>	1317-65-3	50-70	10 mg/m <sup>3</sup> (ND)	15 mg/m <sup>3</sup> (TD) 5 mg/m <sup>3</sup> (RF)	see sections 3,11 & 16
Silica <sup>1*</sup>	14808-60-7	0.1-1.0	0.05 mg/m <sup>3</sup> (RF)	10 mg/m <sup>3</sup> (TD) 3.3 mg/m <sup>3</sup> (RF)	IARC Group 2A see sections 3,11 & 16

<sup>1</sup>= inextricably bound in mastic matrix and won't be released for inhalation under normal application use.

\*Identified as probably carcinogen to humans by IARC.

RF = respirable fraction

ND = nuisance dust

TD = total dust

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Possible cancer hazard. Contains a material which may cause cancer.

**Material Safety Data Sheet****POTENTIAL HEALTH EFFECTS**

Eyes: No known effects.

Skin: No known effects.

Inhalation: Inhalation is not an anticipated route of exposure. Calcium carbonate, crystalline silica, talc, and titanium dioxide are used as a filler materials. When used in accordance with the product data sheet it is inextricably bound in the butyl matrix in normal use conditions. Therefore it presents no potential for respirable exposure.

Ingestion: Not an anticipated route of exposure. Small amounts are not anticipated to be harmful

REGULATED CARCINOGEN STATUS: Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH OR OSHA listed carcinogens.

Existing Health Conditions Affected by Exposure: No known effects on other illnesses.

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**SECTION 4 – FIRST AID MEASURES**

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If in eye: Flush immediately with water for 15 minutes. Consult a physician if irritation persists.

If on skin: Wash material from skin with soap and water.

If ingested: If person can swallow, give one glass of water or milk. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

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**SECTION 5 – FIRE FIGHTING MEASURES**

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Flash Point/Method: Greater than 400 degrees F / Cleveland (204 C).

Upper Explosive Limit/Lower Explosive Limit: Not applicable.

Autoignition Temperature: Not applicable.

Appropriate Extinguishers: Use water spray, foam, dry chemical or carbon dioxide.

Special Fire Fighting Procedures: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.

Unusual Fire and Explosion Hazards: None known.

Hazardous Combustion Product: Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide.

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**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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Spill or Leak Procedures: Scrape up and place in disposal container.

WASTE DISPOSAL METHOD: Dispose of material in accordance with federal, state and local regulations. Before attempting clean up, refer to hazardous information listed on this sheet.

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**SECTION 7 – HANDLING AND STORAGE**

Consult the Technical Data Sheet for specific storage instructions.

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

Eye Protection: Safety glasses.

Skin Protection: Not normally required,

Respiratory Protection: Not normally required. Use NIOSH/MSHA approved respirator if conditions warrant.

Ventilation: General dilution ventilation.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Appearance: viscous liquid/mastic	Color: gray
Odor: pungent solvent	Odor threshold: NE
Boiling Point (°F.): NA	Specific Gravity (H <sub>2</sub> O = 1): 1.56
Weight per gallon: 13 pounds	% solids by weight: 100
Vapor Pressure (MM Hg): NA	Percent Volatile By Volume (%) Nil
Vapor Density (Air = 1) NA	pH: NA
Solubility in Water: NA	Evaporation Rate (BuAC=1) NA
Freezing/melting range: NA	
VOC: 109 g VOC/liter of material (VOC theoretically determined using EPA Publication 450/3-84-019)	VOC, less water: 109 g VOC/liter of material, less water and exempt solvents (VOC theoretically determined using EPA Publication 450/3-84-019)

**SECTION 10 – STABILITY AND REACTIVITY DATA**

Stability: Stable.

Incompatibility: Not established.

Hazardous Decomposition: Not established.

Hazardous Polymerization: Will not occur.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

Chemical name	CAS	TOXICITY DATA: LD <sub>50</sub> & LC <sub>50</sub>
Sodium silicate	1344-09-8	LD <sub>50</sub> 1153 mg/kg (oral, rat) LC <sub>50</sub> no data found
Mineral oil	8012-95-1	LD <sub>50</sub> no data found LC <sub>50</sub> no data found

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Stoddard solvent (mineral spirits)	8052-1-3	LD <sub>50</sub> no data found LC <sub>50</sub> no data found
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**SECTION 12 – ECOLOGICAL INFORMATION**

No data available.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements. This product contains small amounts of arsenic compounds. Leachate tests have not been performed. Consult your state, local or provincial authorities for disposal recommendations.

Consult all regulations (federal, state, provincial, local) or a qualified waste disposal firm when characterizing waste for disposal. Dispose of waste in accordance with all applicable regulations.

**SECTION 14 – TRANSPORT INFORMATION**

UNITED STATES DEPARTMENT OF TRANSPORTATION (DOT)

DOT Proper Shipping Name: NOT REGULATED

It is our opinion that the information provided here may be used to transport this product in compliance with Canadian Transportation of Dangerous Goods.

**SECTION 15 – REGULATORY INFORMATION**

Federal

Toxic Substances Control Act (TSCA)

Section 8 (b) – Inventory Status

This product is in compliance with the Toxic Substances Control Act’s Inventory requirements.

SARA TITLE III

Section 313: This product does not contain regulated levels of any toxic chemical subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372.

STATE REGULATIONS

California Proposition 65: This product contains chemical (s) known to the state of California to cause cancer (c) or reproductive (r) damage.

<0.0005% Arsenic compounds (inorganic) (c) listed February 27, 1987

0.1-1.0% Crystalline silica (c) 14808-60-7 listed October 1, 1988

<0.0005% Lead (c) (r) 7439-92-1 listed February 27, 1987

WHMIS IDENTIFICATION/OTHER INTERNATIONAL REGULATIONS

D2b

**SECTION 16 – ADDITIONAL INFORMATION**

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This product contains the following substance(s) identified by OSHA, WHMIS, or the ACGIH as hazardous. During normal use, the material will not present an exposure risk. These material are inextricably bound in mastic matrix and won't be released for inhalation under normal application use.

1-5% Talc-containing no asbestos fibers (14807-96-6)

Exposure limit respirable dust PEL 2 mg/M3 (OSHA); TLV 2 mg/M3 (ACGIH)

LD50: No data found LC50: No data found

1-5% Titanium dioxide (13463-67-7)

Exposure limit total dust PEL 15 mg/M3 (OSHA); TLV 10 mg/M3 (ACGIH)

LD50: No data found LC50: No data found

**HMIS RATING**

Health-2 Flammability-1 Reactivity-0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

**ABBREVIATIONS:**

ACGIH = American Conference of Governmental Industrial Hygienists  
IARC = International Agency for Research on Cancer  
NTP = National Toxicology Program

HMIS = Hazardous Material Information System  
NFPA = National Fire Protection Association  
OSHS = Occupational Safety and Health Administration

“THE DATA INCLUDED HEREIN ARE PRESENTED IN ACCORDANCE WITH 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 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.”

While the information and recommendations set forth herein are believed to be accurate, Pittsburgh Corning Corporation makes no warranty with respect thereto, and disclaims all liability from reliance thereon.

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