

Business Hours: 8:00 a.m. - 5:00 p.m.
Emergency Telephone Number: 717/245-7000

MATERIAL SAFETY DATA SHEET
CARLISLE SYNTec SYSTEMS
1285 RITNER HIGHWAY
P.O. BOX 7000
CARLISLE, PA. 17013

For Transportation Emergencies Call
Chemtrec: 800/424-9300

SECTION I

PRODUCT NAME AND SYNONYMS: SURE-SEAL® BUTYL MEMBRANE

CHEMICAL FAMILY: Vulcanized Butyl Rubber
PRODUCT USE: Waterproofing Membrane

FORMULA: Mixture

SECTION II(A) HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	%	PEL (ppm)			SKIN DESIG- NATION	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES & ROUTE) (mg/kg)	LC ₅₀ OF INGREDIENT (SPECIFY SPECIES) (ppm/4H)
			TWA	STEL	CEILING			
Carbon Black	1333-86-4	38.9	3.5 mg/m ³ (as dust)			N/E	N/E	N/E
Zinc Oxide	1314-13-2	2.4	5 mg/m ³ (as fume)			N/E	ipr-rat: 240	N/E

N/E = Not Established N/A = Not Applicable H = Hours

SECTION II(B) ADDITIONAL INGREDIENTS (>3%)

Ingredients: Butyl Rubber - CAS # 9010-85-9
Petroleum Hydrocarbon Oil - CAS # 64742-01-4
Petroleum Wax - CAS # 64742-43-4

SECTION III PHYSICAL DATA

Physical State	Odor And Appearance	VOC (grams/liter)	Odor Threshold (ppm)	Vapor Pressure (mm Hg)
Solid	Rubber-like odor, black sheet.	N/A	N/A	N/A
Vapor Density (AIR=1)	Evaporation Rate (nBuAc=1)	Boiling Point (°C)	Freezing Point (°C)	pH
N/A	N/A	N/A	N/A	N/A
Specific Gravity	Coeff Water/Oil Dist	Solubility In Water	Volatiles By Wt (%)	Corrosivity
1.18	N/A	Insoluble	N/A	N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability: Yes No X - If Yes, Under Which Conditions?

Flashpoint (°C) And Method: Above 260°C Open Cup
Autoignition Temperature (°C): N/E
Lower Flammable Limit (% By Vol): N/E
Upper Flammable Limit (% By Vol): N/E

Hazardous Combustion Products: Toxic gases or vapors, such as carbon monoxide, carbon dioxide, or oxides of nitrogen may be released in a fire.

EXPLOSION DATA:

Sensitivity To Impact: None known

Sensitivity To Static Discharge: None known

Extinguishing Media: Standard fire extinguishers - water fog followed by coarse stream.

Special Fire Fighting Procedures: Wear respirator; avoid breathing smoke.

Unusual Fire And Explosion Hazards: None known

SECTION V - REACTIVITY DATA

Chemical Stability: Stable

Hazardous Polymerization:

Conditions To Avoid: Open flames

Incompatibility (Materials To Avoid): None

Hazardous Decomposition Products: Toxic gases or vapors, such as carbon monoxide, carbon dioxide, or oxides of nitrogen may be released in a fire.

PRODUCT NAME: SURE-SEAL® BUTYL MEMBRANE

===== SECTION VI - TOXICOLOGICAL PROPERTIES =====

Route Of Entry: Skin Contact X Skin Absorption Eye Contact Inhalation Ingestion

Effects Of Acute Exposure To Product: Possible skin irritation on contact.

Effects Of Chronic Exposure: Possible skin irritation on contact.

<u>Exposure Limits</u> N/E	<u>Irritancy Of Product</u> May irritate skin.	<u>Sensitization To Product</u> May cause skin sensitization in some people.	<u>Carcinogenicity</u> No evidence	
<u>Teratogenicity</u> No evidence	<u>Reproductive Toxicity</u> No evidence	<u>Mutagenicity</u> No evidence	<u>Synergistic Products</u> None known	<u>Tumorigenicity</u> No evidence

===== SECTION VII - PREVENTIVE MEASURES =====

PERSONAL PROTECTIVE EQUIPMENT:

Gloves: Gloves are recommended to prevent skin contact.

Respirator: None

Eye: None

Footwear: None

Clothing: None

Other: None

Engineering Controls (EG., Ventilation, Enclosed Process): None required

Leak Or Spill Procedure: Handle as normal solid waste.

Waste Disposal: Dispose of in accordance with all local, state, and federal regulations.

Handling Procedures And Equipment: None required

Storage Requirements: None

Special Shipping Information: None

===== SECTION VIII - FIRST AID MEASURES =====

Specific Measures:

Skin Contact - Wash with soap and water. Get medical attention if reaction develops and irritation persists.

===== SECTION IX - SARA SECTION 313 SUPPLIER NOTIFICATION =====

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning And Community Right-To-Know Act of 1986 and of 40 CFR 372.

<u>CAS #</u>	<u>Chemical Name</u>	<u>Percent By Weight</u>	<u>CAS #</u>	<u>Chemical Name</u>	<u>Percent By Weight</u>
1314-13-2	Zinc Oxide	2.4			

===== SECTION X - PREPARATION INFORMATION =====

<u>Prepared By (Group Department etc)</u> Research & Development	<u>Phone Number</u> 717/245-7000	<u>Date</u> 11/21/91	<u>Change No.</u> 1	<u>Supercedes All Previous Publications</u>
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