

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

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

For Transportation Emergencies Call
Chemtrec: 800/424-9300

MSDS Date: 01/30/98

MSDS Rev # 005

Supercedes All Previous Publications

Page 1 of 2

SECTION I

PRODUCT NAME AND SYNONYMS: SURE-SEAL® EPDM MEMBRANE

PRODUCT USE: Roofing Membrane

CHEMICAL FAMILY: Vulcanized EPDM Rubber

FORMULA: Mixture

SECTION II(A) HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	%	PEL (ppm)			SKIN DESIG- (SPECIFY SPECIES & ROUTE)	LD ₅₀ OF INGREDIENT (mg/kg)	LC ₅₀ OF INGREDIENT (SPECIFY SPECIES)
			TWA	STEL	CEILING			
Carbon Black	1333-06-4	27.5-30.8	3.5mg/m ³	(as dust)	N/E	N/E	N/E	
Kaolin Clay	1332-58-7	6.3	5mg/m ³	(as dust)	N/E	N/E	N/E	
Zinc Oxide	1314-13-2	0.9			N/E	N/E	N/E	

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

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

Ingredients:	EPDM Polymer	-	CAS # 25038-36-2
	Petroleum Hydrocarbon Oil	-	CAS # 64742-01-4
	Ground Coal	-	CAS # 125612-26-2

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
1.13	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	Autoignition Temperature (°C)	Lower Flammable Limit (% By Vol)	Upper Flammable Limit (% By Vol)
Above 260°C - Open Cup	N/E	N/E	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 extinguisher - 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: Will not occur.

Conditions To Avoid: Open flame.

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.

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.

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

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 required.

Special Shipping Information: None

SECTION VIII - FIRST AID MEASURES

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

SECTION IX - ADDITIONAL REGULATORY INFORMATION

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: **ZINC OXIDE, CAS# 1314-13-2, 0.9%**

California Proposition 65

This product contains the following chemicals known to the State of California to cause cancer: **NONE**

SECTION X - PREPARATION INFORMATION

Prepared By: System & Chemical Engineering

Form Doc #R6-F0038 Form Eff Date: 5/30/97 Form Rev #003
Reason For Change: Change Document Ownership