

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: 02/13/98

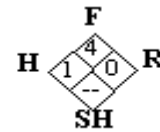
MSDS Rev # 006 Supercedes All Previous Publications

Page 1 of 2

SECTION I

PRODUCT NAME AND SYNONYMS: IN-SEAM SEALANT™ 1124

CHEMICAL FAMILY: Rubber-Based Sealant  
PRODUCT USE: In-Seam Seal  
FORMULA: Mixture



SECTION II(A) HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	% TWA	PEL (ppm)			SKIN DESIGNATION	LD <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES & ROUTE) (mg/kg)	LC <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES) (ppm/4H)
			STEL	CEILING				
Toluene	108-88-3	14-16	100	150	300	N/A	orl-rat: 5000	mus: 7528
Aliphatic Petroleum Distillate	64742-89-8	7-9	500	N/A	N/A	N/A	orl-rat: >5000	Not Available
Hydrated Amorphous Silica	63231-67-4	3	5mg/m <sup>3</sup> resp. dust; 15 mg/m <sup>3</sup> total dust				Not Available	Not Available

N/A = Not Applicable H = Hours

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

Ingredients: Ethylene-Butylene Terpolymer - CAS # 66070-58-4 Paraffinic Process Oil - CAS # 8042-47-5  
Hydrous Clay - CAS # 12174-11-7 Hydrocarbon Resin - CAS # 68131-76-0  
Severely Hydrotreated Naphthenic Process Oil - CAS # 64742-18-3 Calcium Carbonate - CAS # 1317-67-4

SECTION III PHYSICAL DATA

Physical State	Odor And Appearance	VOC (grams/liter)	Odor Threshold (ppm)	Vapor Pressure (mm Hg)
Paste	Neutral color paste, solvent odor	230 - 255	Not Determined	22 @20°C (Toluene)
Vapor Density (AIR=1)	Evaporation Rate (nBuAc=1)	Boiling Point(°C)	Freezing Point (°C)	pH
3.2 (Toluene)	2 (Toluene)	111° (Toluene)	-139°F	N/A
Specific Gravity	Coeff Water/Oil Dist	Solubility In Water	Volatiles By Wt (%)	Corrosivity
1.11 - 1.14	N/A	<0.10 @68°F	20-24	N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**Flammability:** Yes X No - If Yes, Under Which Conditions? Ignition can occur when this product is exposed to heat, Division 2 sparks, or flame.

**Flashpoint (°C) And Method** 4.4°C(40°F) TCC  
**Autoignition Temperature (°C)** >537 (>1000°F)  
**Lower Flammable Limit (% By Vol)** 1.0  
**Upper Flammable Limit (% By Vol)** 7.0

**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:** There is no evidence to show that this product is sensitive to physical shock.

**Sensitivity To Static Discharge:** As with most hydrocarbon solvents, vapors may ignite when exposed to static discharge.

**Extinguishing Media:** In case of fire, use dry chemical, carbon dioxide, or foam. Water may not be effective as an extinguishing agent. Water fog or spray may be used to provide a smothering effect on fire and to cool fire-exposed containers and surrounding combustibles. Do not use a solid stream of water because it can scatter and spread the fire.

**Special Fire Fighting Procedures:** This product contains solvents that are dangerous fire and explosion hazards when exposed to heat or flame. Fire fighters should wear self-contained breathing apparatus and full protective clothing with a full face piece operated in the positive pressure demand mode.

**Unusual Fire And Explosion Hazards:** Flammable. Store and use away from all sources of heat, flame, or sparks. Do not smoke while applying. Vapors are heavier than air and may travel along ground or may be moved by ventilation and ignited by pilot lights, other flames, sparks, heaters, smoking, electrical motors, static discharge, or other ignition sources at location distant from material handling point and flash back. All containers should be grounded when material is transferred.

SECTION V - REACTIVITY DATA

**Chemical Stability:** Stable

**Hazardous Polymerization:** Will not occur.

**Conditions To Avoid:** Heat, sparks and flames; ignition sources.

**Incompatibility (Materials To Avoid)** Strong oxidizing agents, acids, bases.

**Hazardous Decomposition Products:** Toxic gases or vapors, such as 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 X Inhalation X Ingestion X

**Effects Of Acute Exposure To Product:** Skin, eye, nose and throat irritation on short term exposure to liquid or vapor. Overexposure may result in headache, dizziness, fatigue, nausea, possible unconsciousness, even asphyxiation. Ingestion can cause gastrointestinal irritation. Aspiration into lungs can cause chemical pneumonitis which can be fatal.

**Effects Of Chronic Exposure:** Moderate irritation of skin, eyes, and mucous membranes of upper respiratory tract on prolonged/ repeated contact. Dermatitis and defatting of the skin. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

<u>Exposure Limits</u>	<u>Irritancy Of Product</u>	<u>Sensitizations To Product</u>	<u>Carcinogenicity</u>	
OSHA PEL-TWA Toluene 100 ppm	Eye, nose, and throat irritation at or above vapor concentration of 100 ppm.	None known	No evidence	
<u>Teratogenicity</u>	<u>Reproductive Toxicity</u>	<u>Mutagenicity</u>	<u>Synergistic Products</u>	<u>Tumorigenicity</u>
No evidence	No evidence	No evidence	None known	No evidence

**SECTION VII - PREVENTIVE MEASURES**

**PERSONAL PROTECTIVE EQUIPMENT:**

**Gloves:** Hycron® or equivalent solvent permeation resistant gloves recommended.

**Respirator:** A NIOSH approved respirator must be used if vapor concentration is 100 ppm or above.

**Eye:** Glasses or goggles recommended.

**Footwear:** Industrial shoes to protect feet from sealant contact.

**Clothing:** Long sleeves, long trousers to protect skin from sealant contact.

**Other:** Protective skin creams or emollients useful.

**Engineering Controls (EG., Ventilation, Enclosed Process):** Do not use in enclosed areas without proper explosion-proof ventilation. General and local exhaust ventilation must be sufficient to control vapor concentrations and keep the vapor concentration below 100 ppm.

**Leak Or Spill Procedure:** Remove all sources of ignition. Avoid breathing vapors. Use self-contained breathing apparatus in enclosed areas. Ventilate area. Contain and remove with inert absorbent materials and non-sparking tools.

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

**Handling Procedures And Equipment:** Use away from all sources of heat, flame, or sparks. Do not smoke while using. Handling equipment must be grounded to prevent sparking. Handle with non-sparking tools. Wash with soap and water before eating or drinking. Launder contaminated clothing. KEEP OUT OF REACH OF CHILDREN.

**Storage Requirements:** Keep containers cool and dry; store away from all sources of heat, flame, and sparks. Keep containers tightly closed and store with adequate ventilation. Do not pressurize, cut, weld, or grind the containers or empty containers which may contain residual product and solvent vapors that may ignite explosively.

**Special Shipping Information:** A red Flammable Liquid label is required for 5 gallon pails. DOT Classification: Adhesives, 3, UN 1133, PGII. Cartridges may be shipped as Limited Quantity, not requiring the label.

**SECTION VIII - FIRST AID MEASURES**

**Specific Measures:** Whenever possible, remove the worker from the source of contamination.

Eye Contact - Immediately flush eyes with running water for at least 15 minutes. Get medical attention.

Skin Contact - Immediately flush skin with running water and remove contaminated clothing. Wash exposed area with soap and water. Get medical attention.

Inhalation - Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention immediately.

Ingestion - Do not induce vomiting. Get medical attention immediately.

Respiratory symptoms associated with pre-existing lung disorders and pre-existing heart disorders may be aggravated by exposure to this product.

**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: **TOLUENE, CAS# 108-3, 14.0%**

**California Proposition 65**

This product contains the following chemical(s) known to the state of California to cause birth defects or other reproductive harm:

**SECTION X - PREPARATION INFORMATION**

**Prepared By:** Accessory Products Group