

## Material Safety Data Sheet

**Science Stuff, Inc.**  
**1104 Newport Ave**  
**Austin, TX 78753**

**Phone (512) 837-6020**  
**Chemtrec 800-424-9300**  
**24 Hour Emergency Assistance**

Section 1 Identification																		
Product Number:	C2848	Health:	2															
Product Name:	Tetrachloroethylene Laboratory Grade	Flammability	0															
		Reactivity	0															
Trade/Chemical Synonyms		Hazard Rating:																
Formula:	CCl <sub>4</sub> :CCL <sub>4</sub>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Lea</td> <td style="text-align: center;">Slig</td> <td style="text-align: center;">Moder</td> <td style="text-align: center;">Hig</td> <td style="text-align: center;">Extre</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> </tr> <tr> <td colspan="5">NA = Not Applicable NE = Not Established</td> </tr> </table>		Lea	Slig	Moder	Hig	Extre	0	1	2	3	4	NA = Not Applicable NE = Not Established				
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RTECS:	KX3850000																	
C.A.S	CAS# 127-18-4																	

Section 2 Component Mixture					
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
<input checked="" type="checkbox"/>	Tetrachloroethylene	CAS# 127-18-4	100%	V/V	OSHA TWA 25 ppm (170 mg/mf)

**Section 3 Hazard Identification (Also see section 11)**

Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

**Section 4 First Aid Measures**

Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

**FIRST AID: SKIN:** Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention

**EYES:** Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

**INGESTION:** If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

**Section 5 Fire Fighting Measures**

Fire Extinguisher Type: Any means suitable for extinguishing surrounding fire

Fire/Explosion Hazards: None Known.

**Section 6 Accidental Release Measures**

Absorb spill with inert material, then place in a chemical waste container. Remove/Dispose of in a manner consistent with federal, local law.

**Section 7 Handling and Storage**

Store in a cool, dry, well-ventilated place away from incompatible materials. Wash thoroughly after handling.

**Section 8 Exposure Controls & Personal Protection**

Respiratory Protection: NIOSH/MSHA-approved respirator

Mechanical:       Hand gloves

Ventilation:       Protection: prevent skin exposure

Local Exhaust:       Eye Protection: Splash Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

**Section 9 Physical and Chemical Properties**

Melting Point:	-22° C	Specific Gravity	1.63
Boiling Point:	119° C	Percent Volatile by Volume:	100
Vapor Pressure:	16	Evaporation Rate:	0.27
Vapor Density:	5.83	Evaporation Standard:	
Solubility in Water:	Soluble	Autoignition Temperature:	Not applicable
Appearance and Odor:	clear liquid	Lower Flamm. Limit:	Not applicable

<p>Fire Fighting Procedure:</p>	<p>Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.</p>	<p>ether Air: -like odor</p> <p>Flash Point: N/A</p> <p>Upper Flamm. Limit in Air: Not applicable</p>			
		<p><b>Section 10 Stability and Reactivity Information</b></p>			
		<p>Conditions to Stability: Stable</p> <p>Avoid: None known</p> <p>Materials to Avoid: Oxidizing agents, metals, bases</p> <p>Hazardous Decomposition Products: Carbon dioxide, carbon monoxide.</p> <p>Hazardous Polymerization: Will Not Occur</p> <p>Condition to Avoid: None known</p>			
		<p><b>Section 11 Additional Information</b></p>			
		<p>Effects of overexposure, Acute and Chronic: May cause irritation and pain to eyes. Contact with skin may cause irritation or dermatitis. Inhalation may cause irritation to respiratory tract. Affects central nervous system. May cause giddiness, headache, intoxication, nausea, vomiting, liver damage, kidney damage, breathing arrest and death. Conditions aggravated: Persons with pre-existing eye, skin or respiratory conditions may be more susceptible. Target organs: Liver and kidneys.</p>			
		<p>DOT Classification: Tetrachloroethylene, 6.1, UN1897, PG III, Marine pollutant</p>			
		<p>DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.</p>			
		<table border="0"> <tr> <td>Revision No: 0</td> <td>Date Entered: 9/1/2006</td> <td>Approved by: WPF</td> </tr> </table>	Revision No: 0	Date Entered: 9/1/2006	Approved by: WPF
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