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:	C2850
Product Name:	Tetrahydrofuran HPLC Grade, Uninhibited
Trade/Chemical Synonyms	
Formula:	C"H~O
RTECS:	LU5950000
C.A.S	CAS# 109-99-9

Health:	2
Flammability	3
Reactivity	1

Hazard Rating:

Least	Slight	Moderate	High	Extreme
0	1	2	3	4

NA = Not Applicable NE = Not Established

Section 2 Component Mixture

Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
☐	Tetrahydrofuran	CAS# 109-99-9	100%	V/V	OSHA TWA 200 ppm (590 mg/mƒ)

Section 3 Hazard Identification (Also see section 11)

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Section 4 First Aid Measures

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. 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: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

Section 5 Fire Fighting Measures

Fire Extinguisher Type:	Water spray, dry chemical, carbon dioxide, alcohol foam
Fire/Explosion	Vapors may form explosive mixture with air.

Section 6 Accidental Release Measures

Remove all sources of ignition. Ventilate area of leak or spill. Wear protective equipment. Clean up in a manner that doen't disperse dust.

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

Ventilation:

Mechanical: ☐

Local Exhaust: ☑

Protection: Solvent resistant gloves as neoprene or nitrile

Eye Protection: Goggles and Face Shield

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

Section 9 Physical and Chemical Properties

Melting Point:	-108°C	Specific Gravity	0.88
Boiling Point:	66°C	Percent Volatile by Volume:	>99
Vapor Pressure:	114 mm Hg	Evaporation Rate:	14.5
Vapor Density:	2.5	Evaporation Standard:	Butylacetate =1
Solubility in Water:	Miscible	Auto ignition Temperature:	610°F
Appearance and Odor:	Colorless liquid, ether-like odor	Lower Flamm. Limit in Air:	1.8

Hazards:	
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

Flash Point:	-14°C	Upper Flamm. Limit in Air:	11.8

Section 10 Stability and Reactivity Information

Stability: Stable	Conditions to Avoid: Avoid contact with heat, sparks, flames, or other sources of ignition.

Materials to Avoid:
Oxidizing materials, bases

Hazardous Decomposition Products:
Oxides of Carbon

Hazardous Polymerization:Will Not Occur

Condition to Avoid:None known

Section 11 Additional Information

Effects of overexposure, Acute: Irritating to eyes and skin. May cause redness and pain. Inhalation may cause irritation of the nose and throat, dizziness and headache. Irritating to mucous membranes. Ingestion may cause sore throat and abdominal pain. Chronic:No information found. Conditions aggravated: persons with pre-exisiting eye, skin and respiratory conditions may be more susceptible. Target organs: Liver and kidneys

DOT Classification: Tetrahydrofuran, 3, UN2056, PG II

DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

Revision No:0.1	Date Entered: 9/1/2006	Approved by: WPF

The information contained herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty is expressed or implied regarding the completeness or accuracy of this information, whether originating from Science Stuff, Inc. or from an alternate source. Users of this material should satisfy themselves by independent investigation of current scientific and medical information that this material may be safely handled.