

# MATERIAL SAFETY DATA SHEET

n-Heptane

## SECTION 1 . Product and Company Identification

Product Name and Synonym: n-Heptane  
Product Code: H1903  
Material Uses:  
Manufacturer: Science Stuff  
1104 Newport Ave  
Austin, TX 78753  
(512) 837-6020  
Entry Date : 3/20/2013  
Print Date: 3/20/2013  
24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

Health:	3
Flammability:	3
Reactivity:	0

Hazard Rating:  
Least Slight Moderate High Extreme  
0 1 2 3 4  
NA=Not Applicable NE=Not Established

## SECTION 2 HAZARD IDENTIFICATION

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 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	n-Heptane	CAS# 142-82-5	100%	V/V	ACGIH TWA 400 ppm, STEL 500 ppm OSHA PEL 500 ppm

## 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: CALL A PHYSICIAN. SKIN: Remove contaminated clothing. Wash exposed area with soap and water.

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: Carbon Dioxide, dry chemical powder or appropriate foam  
Fire / Explosion Hazards: Vapor may travel considerable distance to source of ignition and flash back.  
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing

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to prevent contact with skin and clothing.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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

**SECTION 7 HANDLING AND STORAGE**

Keep away from heat and flame. Do not get in eyes, on skin, on clothing. Use with adequate ventilation.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: NIOSH/MSHA-approved respirator  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: Wear appropriate gloves to prevent skin exposure  
Eye Protection: Splash Goggles  
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	-91°C	Percent Volatile by Volume:	100%
Boiling Point:	98°C	Evaporation Rate	2.8
Vapor Pressure:	83.0 mm Hg @ 37.7°C	Evaporation Standard	Butylacetate =1
Vapor Density:	3.5	Auto Ignition Temp	399° F (203.8° C)
Solubility in Water:	Insoluble	Lower Flamm. Limit in Air	1.1%
Appearance /Odors:	Colorless liquid, gasoline-like odor	Upper Flamm. Limit in Air	6.7%
Flash Point:	-1.1°C		
Specific Gravity:	0.696 @15.6° C		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: None known  
Materials to Avoid: Avoid contact with alkalis, strong acids, strong oxidizing agents  
Hazardous Decomposition Products: Toxic fumes of: Carbon Monoxide, Carbon Dioxide  
Hazardous polymerization: Will Not Occur  
Conditions to Avoid: None known

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**SECTION 11 Toxicological Information**

**SECTION 12 Ecological Information**

**SECTION 13 Disposal Considerations**

**SECTION 14 Transport Information**

DOT Classification: Heptanes, 3, UN1206, PG II

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

**SECTION 15 Regulatory Information**

**SECTION 16 Additional Information**

Conditions aggravated/target organs: Persons with preexisting skin, eye and respiratory conditions will be more susceptible. Harmful if inhaled or swallowed. Asphyxiation risk. Acute: Irritating to skin, eyes, respiratory tract. Chronic: Dermatitis, damage to eyes and respiratory tract.

Flammability

Health

Reactivity

Revisions

NFPA

0.2

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