

MATERIAL SAFETY DATA SHEET

n-Heptane 99+%

SECTION 1 . Product and Company Identification

Product Name and Synonym: n-Heptane 99+%
Product Code: H1904
Material Uses:
Manufacturer: Science Stuff
1104 Newport Ave
Austin, TX 78753
(512) 837-6020
Entry Date : 6/5/2013
Print Date: 6/5/2013
24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	2
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 99+%	CAS# 142-82-5	100 %	W/W	

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: Alcohol foam , dry chemicals, or carbon dioxide.
Fire / Explosion Hazards: Vapors may flow along surf to sources of ignition and flash back. Closed containers exposed to heat may explode.
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

n-Heptane 99+%

Eliminate Ignition Sources. Absorb with inert material. Place in container. Vent area and wash site.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry well ventilated area. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing.

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: Goggles and Face Shield
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	-132 Deg F	Percent Volatile by Volume:	100%
Boiling Point:	208 Deg F	Evaporation Rate	4.3
Vapor Pressure:	Not applicable	Evaporation Standard	Butylacetate =1
Vapor Density:	3.5	Auto Ignition Temp	399° F (203.8° C)
Solubility in Water:	Negligible	Lower Flamm. Limit in Air	1.05%
Appearance /Odors:	Clear colorless liquid.Faint odor	Upper Flamm. Limit in Air	6.7%
Flash Point:	25° F (-4°C)		
Specific Gravity:	0.696 @60° F		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability: Stable
Conditions to Avoid: Heat, flames other sources of ignition.
Materials to Avoid: Strong oxidizing agents, strong acids, strong alkalis
Hazardous Decomposition Products: oxides of carbon, various hydrocarbons
Hazardous polymerization: Will Not Occur
Conditions to Avoid: None known

SECTION 11 Toxicological Information

For n-Heptane: Inhalation rat LC50: 103 gm/m3/4H

-----\Cancer Lists\-----

---NTP Carcinogen---

Ingredient Known Anticipated IARC Category

n-Heptane 99+%

Heptane (142-82-5) No No None

SECTION 12 Ecological Information

Environmental Fate:
 For n-Heptane: When released into the soil, this material may biodegrade to a moderate extent. When released into the soil, this material is not expected to leach into groundwater. When released into the soil, this material is expected to quickly evaporate. When released into water, this material may biodegrade to a moderate extent. When released to water, this material is expected to quickly evaporate. This material has an estimated bioconcentration factor (BCF) of greater than 100. This material has a log octanol-water partition coefficient of greater than 3.0. This material may bioaccumulate to some extent. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life between 1 and 10 days.
 Environmental Toxicity:
 No information found.

SECTION 13 Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 Transport Information

Domestic (Land, D.O.T.)

 Proper Shipping Name: HEPTANES
 Hazard Class: 3
 UN/NA: UN1206
 Packing Group: II
 Information reported for product/size: 215L

 International (Water, I.M.O.)

 Proper Shipping Name: HEPTANES
 Hazard Class: 3
 UN/NA: UN1206
 Packing Group: II
 Information reported for product/size: 215L

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

-----\Chemical Inventory Status - Part 1\-----
 Ingredient TSCA EC Japan Australia

 Heptane (142-82-5) Yes Yes Yes Yes

 -----\Chemical Inventory Status - Part 2\-----
 --Canada--
 Ingredient Korea DSL NDSL Phil.

 Heptane (142-82-5) Yes Yes No Yes

 -----\Federal, State & International Regulations - Part 1\-----
 -SARA 302- -----SARA 313-----
 Ingredient RQ TPQ List Chemical Catg.

 Heptane (142-82-5) No No No No

 -----\Federal, State & International Regulations - Part 2\-----
 -RCRA- -TSCA-
 Ingredient CERCLA 261.33 8(d)

 Heptane (142-82-5) No No
 Yes

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Chemical Weapons Convention: No TSCA 12(b): Yes CDTA: No
SARA 311/312: Acute: Yes Chronic: No Fire: Yes Pressure: No
Reactivity: No (Pure / Liquid)

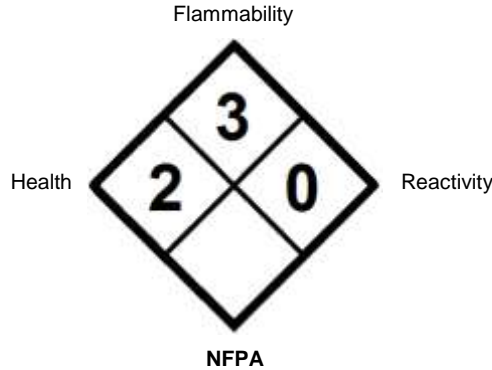
Australian Hazchem Code: 3[Y]E
Poison Schedule: None allocated.

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

SECTION 16

Additional Information



Revisions

10/17/2012

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Creation date LS

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