■ SIGNAL WORD: DANGER

H225: Highly flammable. H304: Aspiration hazard. H315: Skin irritant. H336: May cause drowsiness/dizziness. H411: Toxic to aquatic life.

SECTION 1: IDENTIFICATION

Product Name	N-Heptane
CAS Number	142-82-5
Synonyms	n-Heptane; Normal Heptane; Heptane; Dipropylmethane; UN1206
Product Use	Industrial solvent; extraction solvent; laboratory use; denaturant in CDA-12A ethanol
Restrictions	For professional/industrial use only.
Supplier	Cannagas Supply 97 Turnpike Rd, Westborough, MA 01581
Phone	877-710-1965
Email	Sales@canna-gas.com
Emergency Phone	CHEMTREC: 1-800-424-9300 (24-hour)
SDS Revision Date	March 2026

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification	Flammable Liquid Cat 2 (H225). Aspiration Hazard Cat 1 (H304). Skin Irritation Cat 2 (H315). STOT SE Cat 3 (H336). Aquatic Chronic Cat 2 (H411).
Signal Word	**DANGER**
Hazard Statements	H225: Highly flammable liquid and vapor. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H336: May cause drowsiness or dizziness. H411: Toxic to aquatic life with long-lasting effects.
Precautionary – Prevention	P210: Keep from heat/sparks/flames. P260: Do not breathe vapors. P271: Use in well-ventilated area. P273: Avoid release to environment. P280: Wear PPE.
Precautionary – Response	P301+310: IF SWALLOWED — Do NOT induce vomiting (aspiration hazard). P302+352: IF ON SKIN — wash with soap and water. P304+340: IF INHALED — remove to fresh air. P370+378: Fire — use CO2/dry chemical.
Precautionary – Storage	P403+235: Store in well-ventilated, cool place.
Precautionary – Disposal	P501: Dispose in accordance with local/regional/national regulations.
Other Hazards	Aspiration hazard if swallowed — may cause chemical pneumonia. Vapors heavier than air.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration	EC Number
n-Heptane	142-82-5	≥99%	205-563-8

All components on TSCA Inventory.

SECTION 4: FIRST-AID MEASURES

Inhalation	Remove to fresh air. Seek medical attention.
Skin Contact	Wash with soap and water. Remove contaminated clothing.
Eye Contact	Rinse with water for at least 15 minutes.
Ingestion	Do NOT induce vomiting — ASPIRATION HAZARD. Call physician immediately.

Key Symptoms	CNS depression, skin defatting, aspiration pneumonia if swallowed.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	CO2, dry chemical, alcohol-resistant foam.
Specific Hazards	HIGHLY FLAMMABLE. Flash point -4°C (25°F). Vapors heavier than air.
Protective Equipment	Self-contained breathing apparatus (SCBA) and full protective gear for structural firefighters.
Flash Point	-4°C (25°F) — Closed Cup
Autoignition Temperature	204°C (399°F)
Flammable Limits (LEL/UEL)	LEL: 1.05% / UEL: 6.7% in air

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	Chemical-resistant gloves, goggles. Eliminate ignition sources.
Environmental Precautions	Do not allow to enter drains, sewers, surface or ground water.
Containment & Cleanup	Eliminate ignition sources. Absorb with inert material. Ventilate area.

SECTION 7: HANDLING AND STORAGE

Safe Handling	Well-ventilated area. Eliminate ignition sources. Ground equipment.
Safe Storage	Cool, well-ventilated area away from heat and ignition. Flammable cabinet.
Incompatibles	Strong oxidizers, strong acids.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Limit Type	Value	Authority
n-Heptane	TWA	500 ppm (2,050 mg/m3)	OSHA PEL
n-Heptane	TWA	400 ppm	ACGIH TLV
n-Heptane	IDLH	750 ppm	NIOSH

Engineering Controls	Fume hood or local exhaust. Explosion-proof equipment.
Eye/Face Protection	Chemical splash goggles.
Hand Protection	Appropriate protective gloves.
Body Protection	Lab coat or overalls.
Respiratory Protection	Organic vapor cartridge respirator above OEL.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Clear, colorless liquid	**Density**	0.684 g/mL at 20°C
Odor	Mild gasoline-like odor	**Molecular Formula**	C7H16 | MW: 100.20 g/mol
Boiling Point	98.4°C (209°F) at 1 atm	**Solubility**	Practically insoluble in water (2.93 mg/L)
Flash Point	-4°C (25°F) — Closed Cup	**LEL / UEL**	1.05% / 6.7% in air
Auto-ignition	204°C (399°F)	**Vapor Density**	3.45 (air = 1)
Vapor Pressure	53 hPa at 20°C	**Log Kow**	4.50

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Reacts with strong oxidizers.
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Will not occur.
Conditions to Avoid	Heat, sparks, open flames, strong oxidizers.
Incompatible Materials	Strong oxidizers, strong acids.
Hazardous Decomp. Products	Carbon monoxide, carbon dioxide on combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Exposure	Inhalation, skin contact, ingestion.
Acute Toxicity	LD50 oral (rat): 5,000 mg/kg. LC50 inhalation (rat): 103,000 mg/m3/4hr.
Skin/Eye Effects	Causes skin irritation (H315) with repeated/prolonged contact. Mild eye irritant.
Respiratory Effects	CNS depression — drowsiness, dizziness (H336).
Carcinogenicity	Not classified as carcinogenic.
STOT – Single Exp.	STOT SE Cat 3 — H336: May cause drowsiness or dizziness.
STOT – Repeated Exp.	No specific classification for n-heptane. NOTE: n-hexane (a related compound) has STOT RE classification — n-heptane does not share this profile.
Reproductive Toxicity	Not classified.
Chronic Effects	No specific chronic effects identified for n-heptane at normal exposures.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	H411: Toxic to aquatic life with long-lasting effects.
Persistence/Degradability	Readily biodegradable.
Bioaccumulative Potential	Moderate bioaccumulation (log Kow 4.50).
Mobility in Soil	Moderate mobility — log Kow reduces water mobility.
Other Adverse Effects	Avoid release to environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods	Dispose as flammable hazardous waste per 40 CFR 261.
Contaminated Packaging	Dispose in accordance with applicable regulations.

SECTION 14: TRANSPORT INFORMATION

	DOT (USA)	IATA (Air)	IMDG (Sea)
UN Number	UN1206	UN1206	UN1206
Proper Ship. Name	Heptanes	Heptanes	Heptanes
Hazard Class	Class 3, PG II	Class 3	Class 3
Packing Group	II	II	II

SECTION 15: REGULATORY INFORMATION

OSHA HazCom	Classified as Hazardous per 29 CFR 1910.1200.

SARA 311/312	Acute Health: Yes | Chronic Health: No | Fire: Yes | Reactivity: No
CERCLA	No reportable quantity.
TSCA	All components listed on US TSCA Inventory.
California Prop. 65	Not listed.
Canadian DSL	All components listed on Canadian DSL Inventory.

SECTION 16: OTHER INFORMATION

Issue Date	March 2026
Version	1.0
Prepared By	Cannagas Supply
Key Sources	GHS Purple Book Rev. 9; OSHA HazCom 2012; NIOSH Pocket Guide; ACGIH TLVs.

DISCLAIMER: The information in this Safety Data Sheet is believed to be accurate and represents the best information currently available to Cannagas Supply. This SDS is provided in good faith without warranty of any kind. Users are responsible for determining suitability of this product for their specific application and for compliance with all applicable laws and regulations.