

**■ SIGNAL WORD: DANGER**

H225: Highly flammable. H304: Aspiration hazard. H315: Skin irritant. H336: CNS effects. H361fd: Suspected reproductive toxin. H373: STOT RE (peripheral neuropathy). H411: Aquatic toxicity.

**SECTION 1: IDENTIFICATION**

<b>Product Name</b>	Hexanes
<b>CAS Number</b>	110-54-3 (n-Hexane); Mixture may include isomers
<b>Synonyms</b>	n-Hexane; Hexane; Hexyl Hydride; Normal Hexane; UN1208
<b>Product Use</b>	Industrial solvent; extraction solvent; laboratory use
<b>Restrictions</b>	For professional/industrial use only. Reproductive and neurotoxic hazard — see Section 11.
<b>Supplier</b>	Cannagas Supply 97 Turnpike Rd, Westborough, MA 01581
<b>Phone</b>	877-710-1965
<b>Email</b>	Sales@canna-gas.com
<b>Emergency Phone</b>	CHEMTREC: 1-800-424-9300 (24-hour)
<b>SDS Revision Date</b>	March 2026

**SECTION 2: HAZARDS IDENTIFICATION**

<b>GHS Classification</b>	Flammable Liquid Cat 2 (H225). Aspiration Hazard Cat 1 (H304). Skin Irritation Cat 2 (H315). STOT SE Cat 3 (H336). Reproductive Toxicity Cat 2 (H361fd). STOT RE Cat 2 (H373 — peripheral nervous system). Aquatic Chronic Cat 2 (H411).
<b>Signal Word</b>	<b>DANGER</b>
<b>Hazard Statements</b>	H225: Highly flammable. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H336: May cause drowsiness/dizziness. H361fd: Suspected of damaging fertility or the unborn child. H373: May cause damage to organs (peripheral nervous system) through prolonged or repeated exposure. H411: Toxic to aquatic life with long-lasting effects.
<b>Precautionary – Prevention</b>	P210: Keep from heat/sparks/flames. P260: Do not breathe vapors. P263: Avoid contact during pregnancy. P271: Use in well-ventilated area. P273: Avoid release to environment. P280: Wear PPE.
<b>Precautionary – Response</b>	P301+310: IF SWALLOWED — Do NOT induce vomiting. P304+340: IF INHALED — remove to fresh air. P308+313: IF exposed or concerned — get medical attention.
<b>Precautionary – Storage</b>	P403+235: Store in cool, well-ventilated place.
<b>Precautionary – Disposal</b>	P501: Dispose in accordance with local/regional/national regulations.
<b>Other Hazards</b>	REPRODUCTIVE/NEUROTOXIC HAZARD: n-Hexane causes peripheral neuropathy (nerve damage) and is a suspected reproductive toxin. These effects are associated with chronic/repeated exposure. Minimize exposure time and concentration. Prefer heptane where possible for applications where repeated exposure is likely.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS Number	Concentration	EC Number
n-Hexane (primary component)	110-54-3	≥85% (typical)	203-777-6
Isomers (2-methylpentane, etc.)	107-83-5	Balance	203-523-4

n-Hexane content varies by grade. All components on TSCA Inventory. SARA 313 listed.

**SECTION 4: FIRST-AID MEASURES**

<b>Inhalation</b>	Remove to fresh air immediately. Seek medical attention.
<b>Skin Contact</b>	Remove contaminated clothing. Wash with soap and water.
<b>Eye Contact</b>	Rinse with water for at least 15 minutes.
<b>Ingestion</b>	Do NOT induce vomiting — ASPIRATION HAZARD. Call physician immediately.
<b>Key Symptoms</b>	CNS depression, headache, dizziness. Aspiration causes chemical pneumonia. Chronic exposure: peripheral neuropathy (numbness, weakness in extremities).

**SECTION 5: FIRE-FIGHTING MEASURES**

<b>Suitable Extinguishing Media</b>	CO2, dry chemical, alcohol-resistant foam.
<b>Specific Hazards</b>	HIGHLY FLAMMABLE. Flash point -22°C (-8°F). Vapors heavier than air.
<b>Protective Equipment</b>	Self-contained breathing apparatus (SCBA) and full protective gear for structural firefighters.
<b>Flash Point</b>	-22°C (-8°F) — Closed Cup
<b>Autoignition Temperature</b>	225°C (437°F)
<b>Flammable Limits (LEL/UEL)</b>	LEL: 1.2% / UEL: 7.5% in air

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Chemical-resistant gloves, goggles, supplied air in confined spaces. Eliminate ignition sources.
<b>Environmental Precautions</b>	Do not allow to enter drains, sewers, surface or ground water.
<b>Containment &amp; Cleanup</b>	Eliminate ignition sources. Absorb with inert material. Ventilate. Do not flush to sewer — aquatic toxicity.

**SECTION 7: HANDLING AND STORAGE**

<b>Safe Handling</b>	Use in well-ventilated area or fume hood. Minimize exposure duration. Ground equipment. Avoid skin contact — hexane absorbs through skin.
<b>Safe Storage</b>	Cool, well-ventilated area away from heat, ignition, and oxidizers. Flammable storage cabinet.
<b>Incompatibles</b>	Strong oxidizers, strong acids.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Component	Limit Type	Value	Authority
n-Hexane	TWA	500 ppm (1,800 mg/m3)	OSHA PEL
n-Hexane	TWA	50 ppm — SKIN hazard	ACGIH TLV
n-Hexane	IDLH	1,100 ppm	NIOSH
n-Hexane	REL	50 ppm (180 mg/m3) — SKIN	NIOSH REL

<b>Engineering Controls</b>	Fume hood or local exhaust. Closed systems. Explosion-proof equipment.
<b>Eye/Face Protection</b>	Chemical splash goggles.
<b>Hand Protection</b>	Appropriate protective gloves.
<b>Body Protection</b>	Lab coat or overalls.
<b>Respiratory Protection</b>	Organic vapor respirator above OEL. NIOSH recommends 50 ppm TLV.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Clear, colorless liquid	<b>Density</b>	0.660 g/mL at 20°C
<b>Odor</b>	Mild gasoline-like odor	<b>Molecular Formula</b>	C6H14   MW: 86.18 g/mol
<b>Boiling Point</b>	68.7°C (155.7°F) at 1 atm	<b>Solubility</b>	Practically insoluble in water (13 mg/L)
<b>Flash Point</b>	-22°C (-8°F) — Closed Cup	<b>LEL / UEL</b>	1.2% / 7.5% in air
<b>Auto-ignition</b>	225°C (437°F)	<b>Vapor Density</b>	2.97 (air = 1)
<b>Vapor Pressure</b>	151 hPa at 20°C	<b>Log Kow</b>	3.90

### SECTION 10: STABILITY AND REACTIVITY

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

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Routes of Exposure</b>	Inhalation, skin absorption, ingestion — all routes significant.
<b>Acute Toxicity</b>	LD50 oral (rat): 25,000 mg/kg. Low acute oral toxicity, but aspiration hazard and CNS effects are significant.
<b>Skin/Eye Effects</b>	Causes skin defatting and irritation (H315). Hexane absorbs through skin — SKIN notation on TLV.
<b>Respiratory Effects</b>	CNS depression — drowsiness, dizziness (H336). Narcotic at high concentrations.
<b>Carcinogenicity</b>	Not classified as carcinogenic.
<b>STOT – Single Exp.</b>	STOT SE Cat 3 — H336: May cause drowsiness or dizziness.
<b>STOT – Repeated Exp.</b>	STOT RE Cat 2 — H373: May cause damage to organs (peripheral nervous system) through prolonged or repeated exposure. HEXANE NEUROPATHY: 2,5-hexanedione (metabolite) causes axonal neuropathy. Symptoms: numbness, weakness, muscle cramps in extremities — may be irreversible.
<b>Reproductive Toxicity</b>	Reproductive Toxicity Cat 2 — H361fd: Suspected of damaging fertility and the unborn child. Based on animal data.
<b>Chronic Effects</b>	CRITICAL: Chronic exposure causes peripheral neuropathy. Symptoms may be delayed and can progress after exposure ends. Minimize cumulative exposure. ACGIH TLV is 50 ppm (10x lower than OSHA PEL) due to neurotoxic risk.

### SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	H411: Toxic to aquatic life with long-lasting effects.
<b>Persistence/Degradability</b>	Readily biodegradable.
<b>Bioaccumulative Potential</b>	Moderate (log Kow 3.90).
<b>Mobility in Soil</b>	High mobility in water/soil.
<b>Other Adverse Effects</b>	Avoid release to environment.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Disposal Methods** Dispose as flammable hazardous waste per 40 CFR 261. SARA 313 reportable.

**Contaminated Packaging** Dispose in accordance with applicable regulations.

**SECTION 14: TRANSPORT INFORMATION**

	DOT (USA)	IATA (Air)	IMDG (Sea)
UN Number	UN1208	UN1208	UN1208
Proper Ship. Name	Hexanes	Hexanes	Hexanes
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: Yes | Fire: Yes | Reactivity: No. SARA 313 listed.

**CERCLA** No reportable quantity.

**TSCA** All components listed on US TSCA Inventory.

**California Prop. 65** WARNING: This product can expose you to n-Hexane, known to the State of California to cause reproductive harm. See [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**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; ATSDR n-Hexane Profile.

**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.