



Material Safety Data Sheet

Section I: Chemical Product and Company Identification

Common Name/ Trade Name	Stove & Light	Code	95036000
Supplier	Barton Solvents, Inc. 1920 N.E. Broadway, P.O. Box 221 Des Moines, IA 50301	CAS#	Mixture
Synonym	Not available.	Rev. Date	07/14/95; 03/11/02; 01/28/03;
Chemical Name	Not applicable.	In case of Emergency	CHEMTREC (800) 424-9300
Chemical Family	Solvent.		

Section II: First Aid Measures

Eye Contact	Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Ingestion	DO NOT induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention. If vomiting occurs spontaneously, lower head to avoid aspiration into the lungs.

Section III: Composition and Information on Ingredients

Name	CAS #	% by Volume	TLV/PEL	LC ₅₀ /LD ₅₀
Light Aromatic Solvent Naphtha	64742-95-6	>9	Not available.	Not available.
Light Aliphatic Solvent Naphtha (D)	64742-89-8	>9	TWA: 400 (ppm) from ACGIH (TLV) TWA: 400 (ppm) from OSHA (PEL)	Not available.
Cyclohexane	110-82-7	0.45	TWA: 300 (ppm) from ACGIH (TLV) TWA: 300 (ppm) from OSHA (PEL)	ORAL (LD50): Acute: 12850 mg/kg [Rat].
Light Aliphatic Solvent Naphtha (V)	8032-32-4	>9	TWA: 300 (ppm) from ACGIH (TLV) TWA: 300 (ppm) from OSHA (PEL)	Not available.
Medium Aliphatic Solvent Naphtha (M)	64742-88-7	>9	TWA: 100 (ppm) from ACGIH (TLV) TWA: 100 (ppm) from OSHA (PEL)	Not available.

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Section IV. Hazards Identification

Potential Acute Health Effects	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
Potential Chronic Health Effects	<p>CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Light Aliphatic Solvent Naphtha (D)]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Light Aliphatic Solvent Naphtha (V)]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Medium Aliphatic Solvent Naphtha (M)].</p> <p>MUTAGENIC EFFECTS: Not available.</p> <p>TERATOGENIC EFFECTS: Not available.</p> <p>DEVELOPMENTAL TOXICITY: Not available.</p> <p>There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate medical condition.</p>

Section V. Fire and Explosion Data

Flammability of the Product	Extremely Flammable
Auto-Ignition Temperature	Not available.
Flash Points	The lowest known value is CLOSED CUP: -13.889°C (7°F). (Setaflash.). (Light Aliphatic Solvent Naphtha (D))
Flammable Limits	The greatest known range is LOWER: 1% UPPER: 8% (Light Aliphatic Solvent Naphtha (D))
Products of Combustion	These products are carbon oxides (CO, CO ₂).
Fire Hazards in Presence of Various Substances	Flammable in presence of open flames and sparks. Slightly flammable to flammable in presence of oxidizing materials.
Fire Fighting Media and Instructions	<p>Flammable liquid, insoluble in water.</p> <p>SMALL FIRE: Use DRY chemicals, CO₂, alcohol foam or water spray.</p> <p>LARGE FIRE: Use water spray or fog.</p>

Section VI. Accidental Release Measures

Small Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill	<p>Flammable liquid, insoluble in water.</p> <p>Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. DO NOT get water inside container. DO NOT touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.</p>

Section VII. Handling and Storage

Precautions	No specific safety phrase has been found applicable for this product.
Storage	No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

Section VIII. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	Lab coat. Gloves (impervious). Splash goggles.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section IX. Physical and Chemical Properties

Physical state and appearance	Liquid.	Odor	Aromatic.
		Color	Clear.
Molecular Weight	Not applicable.		
pH (1% soln/water)	Not applicable.		
Boiling Point	The lowest known value is 90°C (194°F) (Light Aliphatic Solvent Naphtha (D)). Weighted average: 136.99°C (278.6°F)		
Melting Point	Not available.		
Solubility	Soluble in methanol, acetone. Insoluble in cold water, hot water.		
Specific Gravity	Weighted average: 0.79 (Water = 1)		
Vapor Pressure	The highest known value is 119 mm of Hg (@ 20°C) (Light Aliphatic Solvent Naphtha (D)). Weighted average: 37.59 mm of Hg (@ 20°C)		
Vapor Density	The highest known value is 4.8 (Air = 1) (Medium Aliphatic Solvent Naphtha (M)). Weighted average: 3.76 (Air = 1)		
Volatility	100% (v/v).		
Viscosity	Not available.		
Evaporation rate	The highest known value is 4.3 (Light Aliphatic Solvent Naphtha (D)). Weighted average: 1.62 compared to Butyl acetate.		

Section X. Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	No additional remark.
Incompatibility with various substances	No specific information is available in our database regarding the reactivity of this material in presence of various other materials.
Corrosivity	No specific information is available in our database regarding the corrosivity of this product in presence of various materials.

Section XI. Toxicological Information

Routes of Entry	Eye contact. Inhalation.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Light Aliphatic Solvent Naphtha (D)]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Light Aliphatic Solvent Naphtha (V)]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC [Medium Aliphatic Solvent Naphtha (M)].
Other Toxic Effects on Humans	Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

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Section XII. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The product itself and its products of degradation are not toxic.

Section XIII. Disposal Considerations

Waste Disposal	Recycle, if possible. Consult your local or regional authorities.
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Section XIV. Transport Information

DOT Classification	DOT CLASS 3: Flammable liquid.
PIN	Shipping name: Petroleum Distillates n.o.s. (Petroleum Naphtha) UNNA: UN1268 PG: II
Special Provisions for Transport	No additional remark.
DOT (Pictograms)	

Section XV. Other Regulatory Information and Pictograms

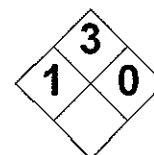
Federal and State Regulations	<p>SARA 302/304/311/312 extremely hazardous substances: No products were found.</p> <p>SARA 313 toxic chemical notification and release reporting: Cyclohexane;</p> <p>CERCLA hazardous substances: Cyclohexane;</p> <p>All components of this product are listed on the TSCA inventory.</p>
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HMIS (U.S.A.)

Flammability	1
Health	3
Reactivity	0
Personal Protection	a

National Fire
Protection
Association (U.S.A.)

Health



Fire Hazard

Reactivity

Specific hazard

Section XVI. Other Information

References	Not available.
Other Special Considerations	No additional remark.
Validated by Barton Solvents, Inc. on 1/28/2003.	Verified by Barton Solvents, Inc.
	Printed 1/28/2003.
Daytime Phone (515)-265-7998	

Notice to Reader**Continued on Next Page**

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.