SAFETY DATA SHEET

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Section 1 Chemical Product and Company Identification

CHEMTREC 24 Hour Emergency USA Roreal Science Phone Number (800) 424-9300 5100 West Henrietta Rd 399 Vansickle Road For laboratory and industrial use only. PO Box 92912 St. Catherines, Ontario Rochester, NY 14692-9012 Tel: (800) 962-2660 L2S 3T4 Canada Tel: (800) 387-9393 Not for drug, food or household use. PETROLEUM ETHER Product Synonyms Ligroin / VM&P Naphtha Section 2 **Hazards Identification** Signal word: DANGER Precautionary statement: Pictograms: GHS02 / GHS08 P201: Obtain special instructions before use. Target organs: Central nervous system P202: Do not handle until all safety precautions have been read and understood. P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233: Keep container tightly closed. P241: Use explosion-proof electrical/ventilating/lighting equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. GHS Classification: P280: Wear protective gloves/protective clothing/eye protection/face protection. Flammable liquid (Category 2) P301+P310+P331: IF SWALLOWED: Immediately call a POISON CENTER or Aspiration hazard (Category 1) doctor. Do NOT induce vomiting. Mutagenicity (Category 1B) P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated Carcinogenicity (Category 1B) clothing. Rinse skin with water/shower. P308+P313: IF exposed or concerned: Get medical attention. GHS Label information: Hazard statement: P370+P378: In case of fire: Use dry chemical, alcohol foam, carbon dioxide to H225: Highly flammable liquid and vapour. extinguish. H304: May be fatal if swallowed and enters airways. P403+P235: Store in a well-ventilated place. Keep cool. H340: May cause genetic defects. P405: Store locked up. H350: May cause cancer. P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Repeated exposure may cause skin dryness or cracking

Physical hazards no	ot otherwise classified (PHNOC) - Not	t Known	-	•			
Section 3	Composition / Information on Ingredients						
Chemical Name		CAS #	%	EINECS			
Petroleum ether		8032-32-4	100%	232-453-7			
Section 4	First Aid Measures						

INGESTION: MAY BE HARMFUL OR FATAL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: MAY BE HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: MAY CAUSE EYE IRRITATION. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH SKIN. MAY CAUSE SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: Carbon dioxide, dry chemical, dry sand, alcohol foam.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapor may cause flash fire. Dangerous fire hazard when exposed to heat or flame. Vapors can flow along surfaces to distant ignition source and flash back. Contact with strong oxidizers may cause fire.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Remove all sources of ignition. Absorb with inert dry material, sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling & Storage Page E2 of E2

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale vapors, spray or mist. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from ignition sources.

Section 8	Exposure Controls / Personal Pro	tection		
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
Exposure Linits.	VM&P Naphtha	Not established	Not established	TWA: 350 mg/m ³ STEL: C1800 mg/m ³

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If misty conditions prevail, work in fume hood or wear a NIOSH/MSHA-

Section 9	Physical & Chemical Pro	operties						
Appearance: Clear Ador: Gasoline or H Ador threshold: D. H: Data not availa Melting / Freezing J Boiling point: 20-7 Hash point: -18°C	verosene-like odor. ata not available. ble. point: <-73°C (-99°F) '5°C (68-167°F)	Flammability (s Explosion limit Vapor pressure Vapor density Relative densit	tte (Butyl acetate = 1): solid/gas): Data not av ts: Lower / Upper: 1. e (mm Hg): Ca 40 @ 2 (Air = 1): 2.5 ty (Specific gravity): 0 Insoluble in water.	vailable. 1% / 5.9% 20°C (68°F)	Auto-igniti Decompos Viscosity: Molecular		e: 288°C (550°F) ire: Data not available. ble. re	
Section 10	Stability & Reactivity							
ncompatible mate	Stable d: Heat and sunlight can caus rials: Strong oxidizers. Will a position products: Oxides of	e instability. Avoid ttack some forms of	, , ,	urces, sunlight and	incompatibles			
Section 11	Toxicological Informatio	'n						
	Toxicological Informatio	11						
IARC classified: Gro OSHA: No compone Reproductive toxic	It of this product present at level oup 3: Not classifiable as to its ent of this product present at le city: Data not available	carcinogenicity to h	umans. [Petroleum sol	vents]		0	SHA.	
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on only as a pendent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook. Form 06/2015