

MATERIAL SAFETY DATA SHEET

SUPPLIER: PRODUITS CHIMIQUES ACP CHEMICALS INC

*** IDENTIFICATION ***

PRODUCT NAME(S) : PETROLEUM ETHER
DATE OF MSDS : 2003-01-02

EMERGENCY TELEPHONE NO.(S) : (613) 996-6666 (CANUTEC)

DISCLAIMER :

Note: Produits Chimiques ACP Chemicals Inc believes the information contained herein is reliable and accurate. Produits Chimiques ACP Chemicals Inc makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such information is solely for your consideration, investigation, and verification.

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PETROLEUM ETHER

PRODUCT IDENTIFICATION

Chemical Name and Synonyms: Petroleum Ether; Ligroine; Petroleum Benzin
Chemical Family: Paraffin Hydrocarbon
Chemical Formula: Mixture
Product Use: Laboratory solvent

HAZARDOUS INGREDIENTS OF MATERIALS

Ingredients	%	CAS No.
n-Pentane	>72	09-66-0
TLV Units		
600 ppm		
2-Methylpentane	2	107-83-5
TLV Units		
500 ppm		
3-Methylpentane	5	96-14-0
TLV Units		
N/A		
Cyclopentane	2	287-92-3
TLV Units		
600 ppm		
2,2-Dimethylbutane	3	75-83-2
TLV Units		
500 ppm		
2,3-Dimethylbutane	3	79-29-8
TLV Units		

500 ppm

Isopentane 1 78-78-4
TLV Units
N/A

PHYSICAL DATA

Physical State: Liquid
Odour and Appearance: Clear liquid, mild gasoline-like odour
Odour Threshold (ppm): 300-500 ppm
Vapour Pressure (mm Hg): 500 mm Hg
Vapour Density (Air=1): 2.5
Evaporation Rate: >1 (n-Butyl Acetate = 1)
Boiling Point (degrees C): 37 to 56 deg C
Freezing Point (degrees C): -73 deg C
pH: Not Applicable
Specific Gravity: 0.643
Coefficient of Water/Oil distribution: No Data

SHIPPING DESCRIPTION

PIN: 1271
T.D.G. Class: 3.1
Pkg. Group: I

REACTIVITY DATA

Chemical Stability: Stable
Incompatibility with other substances: Avoid strong oxidizing agents
(eg. peroxides, nitrates and perchlorates.)
Reactivity: Avoid heat, sparks and open flame.
Hazardous Decomposition Products: None

FIRE AND EXPLOSION DATA

Flammability: Flammable
Extinguishing Media: Foam, dry chemical, CO2
Flash Point (Method Used): -49 deg C (TCC)
Autoignition Temperature: 260 deg C
Upper Flammable Limit (% by volume): 7.8%
Lower Flammable Limit (% by volume): 1.4%
Hazardous Combustion Products: CO2, CO
Sensitivity to Impact: Not Available
Sensitivity to Static discharge: Not Available

TOXICOLOGICAL PROPERTIES AND HEALTH DATA

Toxicological Data:
LD50: Not Available
LC50: (inhalation, rat) 3400 ppm for 4 hours

Effects of Acute Exposure to Product:

Inhaled: High concentrations cause dizziness and headache, nausea, confusion and loss of consciousness.
In contact with skin: Brief contact is not irritating. Extreme contact may cause itching, redness, pigmentation, swelling, burning and pain.
In contact with eyes: May cause slight eye irritation including pain, inflammation of the iris and mucous membranes, redness and tearing.
Ingested: May cause central nervous system depression, hemorrhaging of

mucous membranes and diarrhea.

Effects of Chronic Exposure to Product:

Carcinogenicity: No specific data
Teratogenicity: No specific data
Reproductive Effects: Insufficient data
Mutagenicity: Negative in Ames Test
Synergistic Products: None known

PREVENTIVE MEASURES

Engineering Controls: Local exhaust recommended
Respiratory Protection: Approved air-purifying respirator or self-contained breathing apparatus for exposures exceeding TLV
Eye Protection: Chemical safety goggles.
Skin Protection: Impervious gloves, coveralls, boots, and other resistant clothing.
Other Personal Protective Equipment: Safety shower and eye wash readily available in work area.
Leak and Spill Procedure: Evacuate area, provide maximum ventilation and protect from ignition. Contain spill and collect using absorbent material.
Waste Disposal: All waste material should be packaged, labelled and disposed of in accordance with federal and local regulations.
Handling Procedures and Equipment: Keep away from heat, sparks, and flame. Ground and bond during liquid transfer.
Storage Requirements: Store in a cool, dry, well-ventilated area, out of direct sunlight.

FIRST AID MEASURES

Specific Measures:

Eyes: IMMEDIATELY FLUSH EYES with warm running water for a minimum of fifteen(15) minutes. (Using any available clean container, pour water in a gentle steady stream, over the eye(s). Position casualty lying on back, face tilted to one side.) HOLD eyelids open while flushing. REPEAT flushing if irritation persists. Obtain MEDICAL ADVICE immediately. Flushing may be continued while casualty is transported to medical facility.
Skin: IMMEDIATELY FLUSH exposed area with large amounts of warm running water WHILE REMOVING contaminated clothing (including rings, watches and shoes.) CONTINUE flushing the area up to twenty (20) minutes. If irritation persists, REPEAT FLUSHING. Obtain MEDICAL ADVICE immediately. (Call Poison Control Centre.)
Inhalation: IMMEDIATELY remove casualty from contaminated area to fresh air. (CAUTION must be used by rescuers to avoid exposure to contaminating fumes.) If BREATHING HAS STOPPED give artificial respiration. If BREATHING and PULSE ARE ABSENT give CPR. IMMEDIATELY OBTAIN MEDICAL ATTENTION. Stay with casualty until medical assistance is reached.
Ingestion: DO NOT INDUCE VOMITING. DANGER OF ASPIRATION WITH EMESIS. If casualty is ALERT and NOT CONVULSING, rinse out mouth with water. Give up to 4 to 8 glasses of water to dilute material. CALL POISON CONTROL CENTRE. (Have all available information at hand.) IMMEDIATELY GET MEDICAL ATTENTION. If SPONTANEOUS VOMITING occurs have casualty lean forward with head down to avoid breathing in of vomitus.