



## SAFETY DATA SHEET

### SECTION 01 - IDENTIFICATION

<b>Product Identifier</b>	ISOPAR® K
<b>Other identification (Chemical name, Commercial name, Synonymous)</b>	ISOPAR™ K FLUID; ISOPAR™ K SOLVENT; Isoparaffinic Hydrocarbon
<b>Product code</b>	IP-0489
<b>Chemical formula</b>	-
<b>Molar weight</b>	
<b>Recommended use and Restrictions on use</b>	For laboratory, school, commercial or industrial use. Not for medical or household use. Do not use for medical, food or household purposes.
<b>Supplier</b>	LABORATOIRE MAT 610, rue Adanac Québec Québec G1C 7B7 418-660-8666 Mon-Fri 8h-16h www.labmat.com labmat@labmat.com
<b>Emergency phone</b>	418-660-8666 Mon-Fri 8h-16h CENTRE ANTI-POISON DU QUÉBEC 800-463-5060
<b>Date SDS</b>	2025-11-12

## SECTION 02 - HAZARDS IDENTIFICATION

### WHIMS CANADA

- Flammable liquids - category 3
- Aspiration hazard - category 1
- Skin corrosion/irritation - Skin irritation - category 2
- Specific target organ toxicity - Single exposure - category 3
- Serious eye damage/eye irritation - Eye irritation - category 2

### PICTOGRAMS



### Signal Word

DANGER

### Hazards statements (H)

- Flammable liquid and vapour
- May be fatal if swallowed and enters airways
- Causes skin irritation
- May cause drowsiness or dizziness
- Causes serious eye irritation

### Precautionary statements (P)

- Keep away from heat, sparks, open flames, hot surfaces. — No smoking.
- Keep container tightly closed.
- Ground and bond container and receiving equipment.
- Use explosion-proof equipment.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Wear protective gloves (Viton®, nitrile, butyl), protective clothing and eye and face protection.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse with water.
- In case of fire: Use water spray or alcohol-resistant foam, or dry powder or carbon dioxide to extinguish.
- Store in a well-ventilated place. Keep cool.
- Dispose of contents and container in accordance with local, regional and national regulations, or contact a specialist waste disposal company.
- IF SWALLOWED: Immediately call a POISON CENTER or a physician.
- Do NOT induce vomiting.
- Store locked up.
- IF ON SKIN: Wash with plenty of water
- If skin irritation occurs: Get medical attention.
- Avoid breathing mists, gases, vapors and other fumes, or the product itself.
- Use only outdoors or in a well-ventilated area.
- IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- Call a POISON CENTER or a doctor or if you feel unwell.
- Store in a well ventilated place. Keep container tightly closed.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists get medical attention.

### Other dangers

NFPA (Risk: 0=No risk; 1=Slight; 2=Moderate; 3=Significant; 4=Extreme)

**Health** 3  
**Fire** 2  
**Reactivity** 0  
**Special danger**

## SECTION 03 - COMPOSITION/INFORMATION ON INGREDIENTS

Component	No. CAS	% Weight
Naphtha (petroleum), hydrotreated heavy	64742-48-9	<=100

## SECTION 04 - FIRST AID MEASURE

<b>Eye contact</b>	Wash eyes with large amounts of water for at least 15 minutes while holding eyelids apart to rinse eyes. If irritation persists, seek medical attention.
<b>Skin contact</b>	Wash skin with plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation persists, seek medical attention.
<b>Inhalation</b>	Move the unwell person to the fresh air. If breathing is difficult, give oxygen. Consult a physician.
<b>Ingestion</b>	If the person is conscious, give water to drink. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Most important symptoms and effects (acute and delayed)</b>	Main symptoms of high exposure:
<b>Immediate medical attention and special treatment, if necessary</b>	Treat according to symptoms. Show this sheet to the attending physician.

## SECTION 05 - FIREFIGHTING MEASURES

<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable extinguishing media</b>	Do not use a jet of water.
<b>Combustion products</b>	Hazardous combustion products formed under fire conditions: Carbon oxides.
<b>Specific hazards of the dangerous product</b>	Highly concentrated vapors in the air can ignite or even explode if exposed to an intense ignition source. Keep the product and empty containers away from heat and ignition sources. May react violently with incompatible products (Ref Section 10).
<b>Special protective equipment and precautions for firefighters</b>	Discard incompatible substances if this can be done without risk. Firefighters should be equipped with standard protective equipment, fireproof clothing, face mask, gloves, protective boots and, where appropriate, self-contained breathing apparatus.

## SECTION 06 - ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment and emergency measures</b>	Evacuate personnel to safe areas. Cut off all sources of ignition. Use anti-spark tools and anti-explosion equipment. Avoid the accumulation of charges electrostatic. When handling, wear appropriate safety equipment (reference Section 8 for protective equipment to be used). Ensure a good ventilation. Use NIOSH cartridge respiratory protection if necessary or for larger spills. Beware of vapors accumulating to form explosive concentrations. Vapours can accumulate in low-lying areas.
<b>Methods and materials for containment and cleaning up</b>	Absorb the product with sand or vermiculite. Dilute residues with water, clean and rinse. Dispose of residues in a container for disposal of hazardous materials. Discharge into the environment must be avoided.

## SECTION 07 - HANDLING AND STORAGE

<b>Conditions for safe storage</b>	Keep container tightly closed in a dry, well-ventilated place. Keep container tightly closed and store away from heat, moisture, and incompatible products (ref. section 10). Keep away from sources of ignition - No smoking. Take measures to prevent the accumulation of electrostatic charges. Use venting and electrical equipment that is grounded and does not produce ignition sources (sparks). Protect from the sun's rays.
<b>Methods of handling</b>	Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation. Wear personal protective equipment (ref. section 8) when handling. Always ensure good ventilation. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. Apply the usual standard hygiene rules: Wash your hands after use. Do not eat or drink during use.

## SECTION 08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

### WORKPLACE CONTROL PARAMETERS

Component	CAS-No.	Value
Naphtha (petroleum), hydrotreated heavy	64742-48-9	No occupational exposure limits established by region-specific regulators - Quebec, Alberta, Ontario, British Columbia.

#### Respiratory

If permitted levels are exceeded, use NIOSH cartridge respiratory protection, or an air-supplied respirator.

#### Gloves

Handle with protective gloves. Suggested material: Nitrile. Butyl. Viton® (Fluoroelastomer). The type, thickness and length of the glove must be chosen according to the use, the concentration of the product, as well as the duration of use. Replace gloves regularly for better protection.

#### Eyes

Safety goggles with safety shutters.

#### Shoes

Use safety shoes.

#### Clothes

Labcoat. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Engineering control

Use fan. Have safety showers and eyewash stations in the workplace in case of an emergency and a ventilation system to maintain the level of concentrations in the air below the exposure limit values.

## SECTION 09 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Liquid
<b>Color</b>	Colorless
<b>Odour</b>	Odorless
<b>Odour threshold</b>	Data not available
<b>Melting point and freezing point</b>	-105 - -57°C (-157 - -71 °F)
<b>Boiling point</b>	149 - 209 °C (300 - 408 °F)
<b>Flammability</b>	Yes
<b>Lower flammable / Explosive limit</b>	0.7% (V)
<b>Upper flammable / Explosive limit</b>	5.4-5.6%(V)
<b>Flash point</b>	44-58°C
<b>Auto-ignition temperature</b>	335 - 340 °C
<b>Decomposition temperature</b>	Data not available
<b>pH</b>	Not applicable
<b>Kinematic viscosity</b>	1.49 - 2.02 mm <sup>2</sup> /s @ 25 °C (77 °F)
<b>Solubility</b>	Negligible solubility in water
<b>Partition coefficient water/n-octanol</b>	Data not available
<b>Vapour pressure</b>	0.31 - 1.17 mmHg @ 20 °C (68 °F)
<b>Relative density</b>	0.749 - 0.767 @ 15.6 °C (60.1 °F)/ 0.748 - 0.764 g/cm <sup>3</sup> @ 15 °C
<b>Vapour density</b>	~5 (Air=1)
<b>Particle characteristics</b>	Not applicable

## SECTION 10 - STABILITY AND REACTIVITY

<b>Reactivity</b>	Flammable product, may ignite with source of ignition, if temperature above flash point. May react violently with incompatible substances. May ignite on contact with oxidants if heat and oxygen are present in sufficient quantities.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Flammable liquid and vapours. Vapours can form explosive mixtures with air when heated. May react violently with incompatible substances.
<b>Conditions to avoid</b>	Avoid the build-up of static electricity. Heat, flames and sparks.
<b>Incompatible materials</b>	Oxydants.
<b>Hazardous decomposition products</b>	Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ).

## SECTION 11 - TOXICOLOGICAL INFORMATION

### ISOPAR® K

<b>Routes of exposure</b>	Ingestion, inhalation, skin and eye contact.
<b>Acute exposition effects / symptoms:</b>	By exposure route below.
- Eyes	Irritation.
- Skin	Irritation. May cause: Skin-degreasing action.
- Inhalation	Headaches. Narcotic effects. Cough. Shortness of breath. Euphoria. Dizziness. Nausea and vomiting. Drowsiness. Can lead to loss of consciousness. Can lead to death.
<b>Acute toxicity (Ingestion)</b>	Nausea and vomiting. Sore throat. Intense pain in the abdomen. Acute absorption can lead to: Possible death. If swallowed and enters airways.
<b>Chronic exposure effects / symptoms</b>	Liver damage. Drowsiness. Dizziness. Some sources report having had cases of: May cause damage to: Unborn child. Is recognized as a possible carcinogen for humans (class 2B) by IARC.
<b>DL50 (specify species and route of entry)</b>	LD50 Oral - Rat - 5000mg/kg. LD50 Dermal - Rabbit - 2000mg/kg.
<b>CL50 (specify species and route of entry)</b>	LC50 Inhalation - Rat - >5000mg/m <sup>3</sup> .

## SECTION 12 - ECOLOGICAL INFORMATION

### ISOPAR® K

<b>Ecotoxicity</b>	Data not available.
<b>Persistence and degradability</b>	Persistence is unlikely based on information provided.
<b>Bioaccumulative potential</b>	Data not available.
<b>Mobility in soil</b>	Data not available.
<b>Other adverse effects</b>	No ecological problem is to be expected.

## SECTION 13 - DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method</b>	Dispose of contents and container in accordance with local, regional and national regulations, or contact a specialist waste disposal company.
<b>Contaminated Packaging</b>	Dispose of as unused product.

## SECTION 14 - TRANSPORT INFORMATION

<b>UN Number</b>	1268
<b>UN Proper shipping name</b>	DISTILLATS DE PÉTROLE, N.S.A.
<b>Transport hazard class(es)</b>	Liquides inflammables 3
<b>Packing group</b>	III
<b>Limited quantity index</b>	5 L
<b>ERAP Index</b>	-
<b>Special precautions</b>	91,92,150

## SECTION 15 - REGULATORY INFORMATION

### WHIMS CANADA

- Flammable liquids - category 3
- Aspiration hazard - category 1
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## SECTION 16 - OTHER INFORMATION

CNESST: Commission des normes, de l'équité et de la santé et sécurité au travail

NIH: National institute of health (U.S. National Library of Medicine)

ECHA: Agence Européenne de Chimie

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

VECD: Valeur d'exposition courte durée

VEMP: Valeur d'exposition moyenne pondérée

CMRG : Chemical Manufacturer's Recommended Guidelines

OSHA : United States Department of Labor - Occupational Safety and Health Administration

TLV : Threshold limit value

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

RSST: Règlement sur la santé et sécurité au travail (Québec)

INRS: l'Institut national de recherche et de sécurité pour la prévention des accidents du travail et des maladies professionnelles (France)

The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. It does not represent any guarantee of the properties of the product. Laboratoire MAT Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

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