

SECTION 1: Identification**1.1. Identification**

Product form : Substance
Substance name : Isopar™ M Fluid
CAS No : 64742-47-8
Product code : Isoparaffinic Hydrocarbon
Synonyms : Isoparaffinic Hydrocarbon, Distillates Petroleum, hydrotreated light

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Solvent

1.3. Details of the supplier of the safety data sheet**Atlanta Branch Office**

Whitaker Oil Company
1557 Marietta Road NW
Atlanta, GA 30318
404-355-8220 (t)
404-355-2436 (f)

Ocoee Branch Office

Whitaker Oil Company
280 Enterprise Street
Ocoee, FL 34761
407-656.0088 (t)
407-877-8335 (f)

Spartanburg Branch Office

Whitaker Chemicals LLC
405 John Dodd Road
Spartanburg, SC 29303
864-578-6968 (t)
864-578-6864 (f)

WEBSITE: www.whitakeroil.com

EMAIL: SDS@whitakeroil.com

1.4. Emergency telephone number

Emergency number : **CHEMTREC** (800)-424-9300

SECTION 2: Hazard(s) identification**2.1. Classification of the substance or mixture****GHS-US classification**

Asp. Tox. 1 H304 - May be fatal if swallowed and enters airways

Full text of H-phrases: see section 16

2.2. Label elements**GHS-US labeling**

Hazard pictograms (GHS-US) :



GHS08

Signal word (GHS-US) : **Danger**
Hazard statements (GHS-US) : H304 - May be fatal if swallowed and enters airways
Precautionary statements (GHS-US) : P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 - Do NOT induce vomiting
P405 - Store locked up
P501 - Dispose of contents/container in accordance with local regulations

2.3. Other hazards

Other hazards not contributing to the classification : None as defined under 29 CFR 1900.1200.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients**3.1. Substance**

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Name	Product identifier	%	GHS-US classification
Distillates (Petroleum), Hydrotreated Light (Main constituent)	(CAS No) 64742-47-8	100	Asp. Tox. 1, H304

*All concentrations are percent by weight unless material is a gas. Gas concentrations are in percent by volume. Concentration values may vary.

Full text of H-phrases: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : Remove from further exposure. For those providing assistance, avoid exposure to yourself and others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.
- First-aid measures after skin contact : Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.
- First-aid measures after eye contact : Flush thoroughly with water. If irritation occurs, get medical assistance.
- First-aid measures after ingestion : Seek immediate medical attention. Do not induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after ingestion : Risk of lung edema.

4.3. Indication of any immediate medical attention and special treatment needed

If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.
- Unsuitable extinguishing media : Straight streams of water.

5.2. Special hazards arising from the substance or mixture

- Fire Fighting Instructions : Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel
- Unusual Fire Hazards : Hazardous material. Firefighters should consider protective equipment indicated in Section 8.
- Hazardous Combustion Products : Smoke, Fume, Incomplete combustion products, Oxides of carbon.

5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required due to toxicity or flammability of the material. See Section 5 for fire fighting information. See the Hazard Identification Section for Significant Hazards. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

6.1.2. For emergency responders

- Protective equipment : Respiratory protection: half-face or full-face respirator with filter(s) for organic vapor and, when applicable, H₂S, or Self Contained Breathing Apparatus (SCBA) can be used depending on the size of spill and potential level of exposure. If the exposure cannot be completely characterized or an oxygen deficient atmosphere is possible or anticipated, SCBA is recommended. Work gloves that are resistant to aromatic hydrocarbons are recommended. Note: gloves made of polyvinyl acetate (PVA) are not water-resistant and are not suitable for emergency use. Chemical goggles are recommended if splashes or contact with eyes is possible. Small spills: normal antistatic work clothes are usually adequate. Large spills: full body suit of chemical resistant, antistatic material is recommended.

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6.2. Environmental precautions

Large Spills: Dike far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Land Spill : Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Recover by pumping or with suitable absorbent.
- Water Spill : Stop leak if you can do it without risk, Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). When the material is handled in bulk, an electrical spark could ignite any flammable vapors from liquids or residues that may be present (e.g., during switch-loading operations). Use proper bonding and/or ground procedures. However, bonding and grounds may not eliminate the hazard from static accumulation. Consult local applicable standards for guidance.
- Static Accumulator: This material is a static accumulator. A liquid is typically considered a nonconductive, static accumulator if its conductivity is below 100 pS/m (100x10E-12 Siemens per meter) and is considered a semiconductive, static accumulator if its conductivity is below 10,000 pS/m. Whether a liquid is nonconductive or semiconductive, the precautions are the same. A number of factors, for example liquid temperature, presence of contaminants, anti-static additives and filtration can greatly influence the conductivity of a liquid.
- Hygiene measures : Separate working clothes from town clothes. Launder separately. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ground/bond container and receiving equipment.
- Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. The container choice, for example storage vessel, may effect static accumulation and dissipation. Do not store in open or unlabeled containers.
- Suitable Containers/Packing:** Tankers; Tank Trucks; Railcars; Barges; Drums
- Suitable Materials and Coatings (Chemical Compatibility):** Neoprene; Epoxies; Epoxy Phenolics;
- Polyamide; Polyethylene; Polypropylene; Polyester; Teflon; Carbon Steel; Stainless Steel
- Unsuitable Materials and Coatings:** Natural Rubber; Ethylene-propylene-diene monomer (EPDM); Polystyrene; Butyl Rubber

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Isopar™ M Fluid (64742-47-8)		
ACGIH	ACGIH TWA (mg/m ³)	1200 mg/m ³
ACGIH	ACGIH TWA (ppm)	152 ppm

8.2. Exposure controls

- Appropriate engineering controls : The level of protection and types of controls necessary will vary depending upon potential exposure conditions.
- Control measures to consider: Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.
- Hand protection : Any specific glove information provided is based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. The types of gloves to be considered for this material include:
- If prolonged or repeated contact is likely, chemical resistant gloves are recommended. If contact with forearms is likely, wear gauntlet style gloves.
- Eye protection : If contact is likely, safety glasses with side shields are recommended.

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Skin and body protection	: Any specific clothing information provided is based on published literature or manufacturer data. The types of clothing to be considered for this material include: Chemical/ oil resistant clothing is recommended.
Respiratory protection	: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this include: Half-face filter respirator For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. Supplied air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded.
Environmental exposure controls	: Comply with applicable environmental regulations limiting discharge to air, water and soil. Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Color	: Clear
Odor	: Odorless
Odor threshold	: No data available
pH	: No data available
Freezing point	: No data available
Boiling point	: 224 - 254 °C (435 - 489 °F)
Flash point	: 95 °C (203 °F)
Relative evaporation rate (butyl acetate=1)	: <0.01
Flammability (solid, gas)	: No data available
Oxidizing properties	: See Hazards Identification Section
Vapor pressure	: 0.004 kPa (0.03 mm Hg) at 20 °C
Relative density	: 0.789 (at 15.6 °C)
Density at 15 °C	: 788 kg/m ³ (6.58 lbs/ gal, 0.79 kg/dm ³)
Solubility	: Negligible (in water)
Log Pow	: No data available
Auto-ignition temperature	: 215 °C (419 °F)
Decomposition temperature	: No data available
Viscosity	: 2.71 cSt (2.71 mm ² / sec) at 40 °C 3.77 cSt (3.77 mm ² /sec) at 25 °C
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

VOC content	: No data available
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SECTION 10: Stability and reactivity

10.1. Reactivity

See sub-sections below.

10.2. Chemical stability

Material is stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, No sparks. Eliminate all sources of ignition.

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10.5. Incompatible materials

Strong oxidizers

10.6. Hazardous decomposition products

Material does not decompose at ambient temperatures.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Isopar™ M Fluid (64742-47-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation	: May dry the skin leading to discomfort and dermatitis. Based on test data for structurally similar materials.
Serious eye damage/irritation	: May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not expected to be a germ cell mutagen. Based on test data for structurally similar materials.
Carcinogenicity	: Not expected to cause cancer. Based on test data for structurally similar materials.
Reproductive toxicity	: Not expected to be a reproductive toxicant. Based on test data for structurally similar materials.
Specific target organ toxicity (single exposure)	: Not expected to cause organ damage from a single exposure.
Specific target organ toxicity (repeated exposure)	: Not expected to cause organ damage from prolonged or repeated exposure. Based on test data for structurally similar materials.
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/injuries after ingestion	: Risk of lung edema.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Not expected to be harmful to aquatic organisms.
Not expected to demonstrate chronic toxicity to aquatic organisms.

Isopar™ M Fluid (64742-47-8)	
LC50 fish 1	<=
EC50 Daphnia 1	1000 mg/l
ErC50 (other aquatic plants)	1000 mg/l
LOEC (acute)	1000 mg/l
NOEC (acute)	1000 mg/l
NOEC (chronic)	< 1 mg/l

12.2. Persistence and degradability

Expected to be inherently biodegradable.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.

Empty Container Warning Empty Container Warning (where applicable): Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

TDG

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

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Listed on the United States TSCA (Toxic Substances Control Act) inventory

SARA Section 311/312 Hazard Classes

Immediate (acute) health hazard
Delayed (chronic) health hazard

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Revision date : 12/28/2015

Full text of H-phrases:

Asp. Tox. 1	Aspiration hazard Category 1
H304	May be fatal if swallowed and enters airways

NFPA Hazard ID: Health: 1 Flammability: 1 Reactivity: 0

HMIS Hazard ID: Health: 1 Flammability: 1 Reactivity: 0

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SDS US (GHS HazCom 2012)

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