

**Section 1: Product & Company Information**

**Product Identifier:** Isopar™ M Fluid

**Other Means of Identification**

Product Number: 150005

**Recommended Use and Restrictions on Use**

Recommended Use: Solvent

Restrictions on Use: No data available.

**Manufacturer / Importer / Supplier / Distributor Information**

**Company Name:** CORECHEM Inc.

**Address:** 4320 Greenway Drive  
Knoxville, TN 37918  
USA

**Information Telephone Number:** 1-865-524-4239

**Fax Number:** 1-865-524-3375

**Website:** www.corecheminc.com

**Contact Person:** Regulatory Manager

**E-mail:** regulatory@corecheminc.com

**Emergency Phone Number:** Chemtrec® 1-800-424-9300 / Outside USA 1-703-527-3887 (*monitored 24 hours/day*)

**Section 2: Hazards Identification**

**GHS Hazard Classification(s)**

In accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200 (Hazcom 2012).

**Physical Hazard(s)**

Not classified.

**Health Hazard(s)**

Aspiration Hazard - 1

**Environmental Hazard(s)**

Not classified.

**Label Elements**

**Signal Word**

**DANGER**

**Hazard Symbol(s)**



**Hazard Statement(s)**

H304: May be fatal if swallowed and enters airways.

**Precautionary Statements**

**General**

Not applicable.

**Prevention**

Not applicable.

**Response**

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P331: Do NOT induce vomiting.

**Storage**

P405: Store locked up.

**Disposal**

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Hazard(s) not otherwise classified (HNOC)**

None known.

**Section 3: Composition/Information on Ingredients**

**Substance**

Chemical Identity <sup>2</sup>	Common Name/Synonym(s)	CAS # <sup>3</sup>	Weight %	Impurity or Stabilizing Additive
distillates (Petroleum), Hydrotreated light	Synthetic isoparaffinic Hydrocarbon	64742-47-8	100%	No

- Information regarding the composition and the percent ranges of the mixtures ingredients are not presented as it Confidential Business Information (CBI). Where a medical emergency exists (as determined by medical professional), timely disclosure of CBI is assured. The information omitted pertains to only the names of the substances and the concentration in the mixture (product) and can only be requested by a doctor/physician or Local/State/Provincial or Federal Authority.
- Non-hazardous ingredients are not presented as to protect the proprietary formula of the product.
- “—” Indicates ingredient is a mixture and contains multiple ingredients or may have no identifying CAS number.

**Section 4: First-Aid Measures**

**General Information**

Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Wash contaminated clothing before reuse.

**Inhalation**

Remove from further exposure. For those providing assistance, avoid exposure to yourself or 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. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin Contact**

Immediately wash with soap and water. Get medical attention promptly if irritation develops or persists. Remove contaminated shoes and clothes and clean before reuse.

**Eye Contact**

Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering the upper lids. Get medical attention promptly.

**Ingestion**

Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Most important symptoms/effects, acute and delayed**

**Symptoms**

May be fatal if swallowed and enters airways.

**Indication of immediate medical attention and special treatment needed**

**Hazards**

No data available.

**Treatment**

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

**Section 5: Fire-Fighting Measures**

**General Fire Hazards**

Flammable liquid and vapor.

### Suitable (and Unsuitable) Extinguishing Media

#### Suitable Extinguishing Media

Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish flames.

#### Unsuitable Extinguishing Media

Avoid water in straight hose stream; will scatter and spread fire.

### Specific Hazards Arising from the Chemical

Incomplete combustion products, Oxides of carbon, Smoke, Fume.

### Special Protective Equipment and Precautions for Firefighters

#### Special Fire-Fighting Equipment Procedures

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.

#### Special Protective Equipment for Fire-Fighters

As in any fire, wear self-contained breathing apparatus pressure-demand (OSHA/NIOSH approved or equivalent) and full protective gear.

## Section 6: Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures

For emergency responders: Respiratory protection: half-face or full-face respirator with filter(s) for organic vapor and, when applicable, H<sub>2</sub>S, 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.

### Methods and Materials for Containment and Clean-Up

**Land Spill:** Stop leaks if you can do it without risk. Absorb or cover with dry earth, sand or other noncombustible material and transfer to containers. Recover by pumping or with suitable absorbent.

**Water Spill:** Stop leaking 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. Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

### Notification Procedures

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. US regulations require reporting releases of this material to the environment which exceed the applicable reportable quantity or oil spills which could reach any waterway including intermittent dry creeks. The National Response Center can be reached at (800)424-8802

### Environmental Precautions

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

## Section 7: Handling and Storage

### Precautions for Safe Handling

Use only in a well-ventilated area. Follow all SDS/Label precautions even after containers are emptied because they may retain product residues. Avoid contact with eyes, skin and clothing. Avoid breathing vapor, fumes or mists.

### Conditions for Safe Storage, including any Incompatibilities

Keep away from heat, sparks, and flames. Keep container closed when not in use. Store containers in a cool, well ventilated place.

## Section 8: Exposure Controls/Personal Protection

### Control Parameters

#### Occupational Exposure Limits

The product does not contain any relevant quantities of hazardous materials with critical values that have to be monitored in the workplace.

#### Biological Limit Values

The product does not contain any relevant quantities of hazardous materials with assigned biological limit values.

### Appropriate Engineering Controls

Ensure adequate ventilation of the work station.

## Individual protection measures, such as personal protective equipment (PPE)

### General Information

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area. Use explosion-proof ventilation equipment.

### Eye/Face Protection

Wear safety glasses with side shields.

### Skin Protection

#### Hand Protection

Wear appropriate chemical resistant gloves. Or goggles and a face shield.

#### Other

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### Respiratory Protection

Approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits.

### Hygiene Measures

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated footwear that cannot be cleaned. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse. Avoid contact with eyes, skin, and clothing.

## Section 9: Physical and Chemical Properties

### Appearance:

Physical State: Liquid  
Color: Colorless, clear.

**Odor:** Faint

**Odor Threshold:** No data available.

**pH:** Not applicable.

**Melting Point/Freezing Point:** No data available.

**Initial Boiling Point and Boiling Range:** 227°C (441°F) - 254°C (489°F)

**Flash Point:** 97°C (207°F)

**Evaporation Rate** (butyl acetate=1): < 0.01

**Flammability (solid, gas):** No data available.

### Upper/Lower Limit on Flammability or Explosive Limits

Flammability Limit - Upper: No data available.

Flammability Limit - Lower: No data available.

Explosive Limit - Upper: 4.9% volume

Explosive Limit - Lower: 0.6% volume

**Vapor Pressure:** 0.003 kPa (0.02 mm Hg) at 20 °C

**Vapor Density** (air =1): 6.5 at 101 kPa

**Relative Density** (water=1): No data available.

### Solubility(ies):

Solubility in water: Negligible

Solubility (other): No data available.

**Partition coefficient** (n-octanol/water): > 4

**Auto-Ignition Temperature:** 262°C (504°F)

**Decomposition Temperature:** No data available.

**Viscosity:** 2.7 cSt (2.7 mm<sup>2</sup>/sec) at 40 °C | 4.4 cSt (4.4 mm<sup>2</sup>/sec) at 20°C

### Other Information:

Molecular Weight: 188

Formula: No data available.

## Section 10: Stability and Reactivity

### Reactivity

Flammable liquid and vapour.

### Chemical Stability

Material is stable under normal conditions.

**Possibility of Hazardous Reactions**

Hazardous polymerization does not occur.

**Conditions to Avoid**

Avoid impact, friction, heat, sparks, flames, and sources of ignition.

**Incompatible Materials**

Strong oxidizers.

**Hazardous Decomposition Products**

Material does not decompose at ambient temperatures.

**Section 11: Toxicological Information**

**Information on routes of exposure**

**Ingestion:** Low Ingestion Hazard. Ingestion and vomiting can lead aspiration to the lungs resulting in chemical Pneumonitis (inflammation to the lungs) May be fatal if swallowed and enters the airway.

**Inhalation:** Vapors can cause irritation to the respiratory tract. May cause headaches, may cause dizziness. May cause central nervous system depression.

**Skin Contact:** Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash) may cause skin irritation.

**Eye Contact:** May cause eye irritation.

**Information on Toxicological Effects**

**Acute Toxicity (List all possible routes of exposure)**

**Oral**

Acute Toxicity (Rat): LD50 > 5000 mg/kg

**Dermal**

Acute Toxicity (Rabbit): LD50 > 5000 mg/kg

**Inhalation**

Acute Toxicity: (Rat) 8-hour(s) LC50 > 5000 mg/m<sup>3</sup> (Vapor)

**Repeated Dose Toxicity**

No data available.

**Skin Corrosion/Irritation**

May dry the skin leading to discomfort and dermatitis

**Serious Eye Damage/Eye Irritation**

May cause mild, short-lasting discomfort to eyes.

**Respiratory/Skin Sensitization**

Not expected to be a respiratory or skin sensitizer.

**Carcinogenicity**

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**US. National Toxicology Program (NTP) Report on Carcinogens**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Germ Cell Mutagenicity**

**In Vitro**

Not expected to be a germ cell mutagen.

**In Vivo**

Not expected to be a germ cell mutagen.

**Reproductive Toxicity**

Not expected to be a reproductive toxicant.

**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 a prolonged or repeated exposure.

**Aspiration Hazard**

May be fatal if swallowed and enters airways.

**Other Effects**

No data available.

**Ecotoxicity**

**Acute Hazards to the Aquatic Environment**

**Fish**

No data available.

**Aquatic Invertebrates**

No data available.

**Toxicity to Aquatic Plants**

Isopar MEC50 Daphnia 1 = 1000 mg/l

**Chronic Hazards to the Aquatic Environment**

**Fish**

No data available.

**Aquatic Invertebrates**

No data available.

**Toxicity to Aquatic Plants**

No data available.

**Persistence and Degradability**

**Biodegradation**

Expected to be inherently biodegradable.

**BOD/COD Ratio**

No data available.

**Bioaccumulative Potential**

**Bioconcentration Factor (BCF)**

No data available on bioaccumulation.

**Partition Coefficient n-octanol / water (log Kow)**

No data available.

**Mobility in Soil**

Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids.

**Other Adverse Effects**

No data available.

**Section 13: Disposal Considerations**

**Disposal Instructions**

Product is suitable for burning in an enclosed controlled burner for fuel value or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products.

**Contaminated Packaging**

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 contractors 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. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

**US Department of Transportation (DOT)**

This material is not regulated as a hazardous material for transport by the U.S. Department of Transportation in accordance with 49 CFR 172.101.

**Section 15: Regulatory Information**

**US Federal Regulations**

**Toxic Substance Control Act (TSCA), Chemical Substance Inventory, Section 8(b)**

This product or ingredient(s) are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

**Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substance List (40 CFR 302.4)**

No chemical(s) in this material are subject to the reporting requirements of CERCLA.

**Clean Air Act (CAA), Section 112(r)**

No chemical(s) in this material are subject to the reporting requirements of CAA.

**Emergency Planning and Community Right-To-Know Act (EPCRA)**

**EPCRA 302 Extremely Hazardous Substance**

No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 302.

**EPCRA 304 Emergency Response Notification**

No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 304.

**EPCRA 311/312 Emergency and Hazardous Materials Reporting**

Fire Hazard: No  
Sudden Release of Pressure: No  
Reactive: No  
Acute (Immediate) Health Hazard: Yes  
Chronic (Delayed) Health Hazard: Yes

**EPCRA 313 Toxic Chemical Release Inventory (TRI) Reporting**

This material does not contain any chemical(s) with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**US State Regulations**

**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

*Important Note: Due to the changing nature of regulatory requirements, the information in this document should NOT be considered all-inclusive or authoritative. Users should make their own investigations to determine the suitability of the information for their particular purposes. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements.*

**Hazardous Materials Identification System (HMIS®) Classification**

Health Hazard: 3  
Chronic Health Hazard: \*  
Flammability: 1  
Physical Hazard: 0

(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

**National Fire Protection Association (NFPA 704) Rating**

Health Hazard: 1  
Fire Hazard: 1  
Reactivity Hazard: 0

Special: N/A

(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

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**Key to Abbreviations and**

**Acronyms**

ATE - Acute Toxicity Estimate

BCF - Bioconcentration Factor

EC50 - Effective concentration, 50%

IDHL - Immediately Dangerous to Life and Health

Kg - Kilogram

ACGIH - American Conference of Industrial Hygienists

AIHA - American Industrial Hygiene Association

BEI - Biological Exposure Indices

CAS - Chemical Abstracts Service

DOT - US Department of Transportation

l - Liter  
lb - Pound  
LC50 - Lethal Concentration, 50%  
LD50 - Lethal Dose, 50%  
mg - milligram  
ml - milliliter  
N/A - Not Applicable  
N/D - Not Determined  
PEL - Permissible Exposure Limit  
REL - Recommended Exposure Limit  
STEL - Short-term Exposure Limit  
TWA - Time weighted average

EPA - US Environmental Protection Agency  
GHS - Globally Harmonized System of Classification and Labelling of Chemicals  
IARC - International Agency for Research on Cancer  
IATA - International Air Transport Association  
IBC - Intermediate Bulk Container  
IMDG - International Maritime Dangerous Goods  
NIOSH - National Institute for Occupational Safety and Health  
NTP - National Toxicology Program  
OSHA - US Occupational Health and Safety Administration  
SARA - US EPA Superfund Amendments and Reauthorization Act  
TSCA - US EPA Toxic Substances Control Act  
UN - United Nations

## References

HSDB® - Hazardous Substances Data Bank

## Disclaimer

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