

**Section 1: Product & Company Information**

**Product Identifier:** Isopar™ H Fluid

**Other Means of Identification**

Product Number: 150022

**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)**

Flammable, Liquids - 3

**Health Hazard(s)**

Aspiration Hazard - 1

**Environmental Hazard(s)**

Not classified.

**Label Elements**

**Signal Word**

**DANGER**

**Hazard Symbol(s)**



**Hazard Statement(s)**

H226: Flammable liquid and vapor.

H304: May be fatal if swallowed and enters airways.

**Precautionary Statements**

**General**

Not applicable.

**Prevention**

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233: Keep container tightly closed.

P240: Ground/bond container and receiving equipment.

P241: Use explosion-proof electrical/ventilating/lighting/equipment.

P242: Use only non-sparking tools.

P243: Take precautionary measures against static discharge.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P303 + P361 + P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P331: Do NOT induce vomiting.  
P370 + P378: In case of fire: Use suitable extinguishing media for extinction.

## Storage

P403 + P235: Store in a well-ventilated place. Keep cool.  
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
Naphtha (Petroleum), Hydrotreated Heavy	-	64742-48-9	100%	No

- Information regarding the composition and the percentage 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.

### Skin Contact

Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse.

### Eye Contact

Flush thoroughly with water. If irritation occurs, get medical assistance.

### Ingestion

Seek immediate medical attention. Do not induce vomiting.

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

#### Symptoms

Risk of lung edema.

### 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 (CO2) to extinguish flames.

#### Unsuitable Extinguishing Media

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

## Specific Hazards Arising from the Chemical

Vapors are flammable and heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger. Hazardous material. Firefighters should consider protective equipment indicated in Section 8.

## 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

Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Keep unauthorized personnel away. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in the immediate area). Evacuate area.

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

**Land Spill:** Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leaking if you can do it without risk. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Prevent entry into waterways, sewer, basements or confined areas. A vapor suppressing foam may be used to reduce vapor. Use clean non-sparking tools to collect absorbed material. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Large Spills: Water spray may reduce vapor; but may not prevent ignition in closed spaces. Recover by pumping or with suitable absorbent.

**Water Spill:** Stop leak if you can do it without risk. Eliminate sources of ignition. Warn other shipping. If the Flash Point exceeds the Ambient Temperature by 10 degrees C or more, use containment booms and remove from the surface by skimming or with suitable absorbents when conditions permit. If the Flash Point does not exceed the Ambient Air Temperature by at least 10C, use booms as a barrier to protect shorelines and allow material to evaporate. Seek the advice of a specialist before using dispersants.

### 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

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). Use proper bonding and/or ground procedures. However, bonding and grounds may not eliminate the hazard from static accumulation.

### Conditions for Safe Storage, including any Incompatibilities

The type of container used to store the material may affect static accumulation and dissipation. Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area. Storage containers should be grounded and bonded. Fixed storage containers, transfer containers and associated equipment should be grounded and bonded to prevent accumulation of static charge

## Section 8: Exposure Controls/Personal Protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Value	Source
Naphtha (Petroleum), Hydrotreated, Heavy	RCP - TWA	177 ppm 1200 mg/m3	US OSHA Table Z-1 / ExxonMobil

#### Biological Limit Values

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

### Appropriate Engineering Controls

Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosionproof ventilation equipment.

### 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

If contact is likely, safety glasses with side shields are recommended

## Skin Protection

### 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 included. Chemical resistant gloves are recommended.

### Other

Wear appropriate chemical resistant clothing.

## 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. 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.

## 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

### Odor:

Faint

### Odor Threshold:

No data available.

### pH:

Not applicable.

### Melting Point/Freezing Point:

No data available.

### Initial Boiling Point and Boiling

179°C (354°F) - 188°C (370°F) [ASTM D86]

### Range:

### Flash Point:

54°C (129°F) [ASTM D-56]

### Evaporation Rate (butyl acetate=1):

0.07

### Flammability (solid, gas):

No data available.

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

Flammability Limit – Upper: Not applicable

Flammability Limit – Lower: Not applicable

Explosive Limit – Upper: 5.4% volume

Explosive Limit – Lower: 0.7% volume

### Vapor Pressure:

0.07 kPa (0.53 mm Hg) at 20 °C

### Vapor Density (air =1):

5.4 at 101 kPa

### Relative Density (water=1):

0.76

### Solubility(ies):

Solubility in water: Negligible

Solubility (other): No data available.

### Partition coefficient (n-octanol/water):

Log Pow > 4

### Auto-Ignition Temperature:

359°C (678°F)

### Decomposition Temperature:

No data available.

### Viscosity:

Kinematic: 1.4 cSt (1.4 mm<sup>2</sup>/sec) at 40 °C | 1.9 cSt (1.9 mm<sup>2</sup>/sec) at 20°C

### Other Information:

Molecular Weight: 155

Formula: No data available.

## Section 10: Stability and Reactivity

### Reactivity

Flammable liquid and vapor.

### Chemical Stability

Material is stable under normal conditions.

**Possibility of Hazardous Reactions**

Hazardous polymerization does not occur.

**Conditions to Avoid**

Avoid heat, sparks, open flames, and other ignition sources.

**Incompatible Materials**

Strong oxidizers.

**Hazardous Decomposition Products**

Material does not decompose at ambient temperatures.

**Section 11: Toxicological Information**

**Information on routes of exposure**

**Ingestion:** Risk of lung edema.

**Inhalation:** No data available.

**Skin Contact:** Mildly irritating to skin with prolonged exposure.

**Eye Contact:** May cause mild, short-lasting discomfort to eyes.

**Information on Toxicological Effects**

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

**Oral**

Isoparaaffinic Hydrocarbon: LD50 (Rat): > 5,000 mg/kg

**Dermal**

Isoparaaffinic Hydrocarbon: LD50 (Rabbit): > 5,000 mg/kg

**Inhalation**

Isoparaaffinic Hydrocarbon: LC50 (Rat, 8 h): > 5,000 mg/m<sup>3</sup>

**Repeated Dose Toxicity**

No data available.

**Skin Corrosion/Irritation**

Mildly irritating to skin with prolonged exposure

**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.

**Section 12: Ecological Information****Ecotoxicity****Acute Hazards to the Aquatic Environment****Fish**

Isoparaffinic Hydrocarbon: LL0 (Oncorhynchus mykiss, 96 h): 1,000 mg/l

**Aquatic Invertebrates**

Isoparaffinic Hydrocarbon: EL0 (Daphnia magna, 48 h): 1,000 mg/l

**Toxicity to Aquatic Plants**

Isoparaffinic Hydrocarbon: EL0 (Pseudokirchneriella subcapitata, 72 h): 1,000 mg/l

Isoparaffinic Hydrocarbon: NOELR (Pseudokirchneriella subcapitata, 72 h): 1,000 mg/l

**Chronic Hazards to the Aquatic Environment****Fish**

No data available.

**Aquatic Invertebrates**Isoparaffinic Hydrocarbon: NOELR (Daphnia magna, 21 d):  $\geq 1$  mg/l**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**

Material -- 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 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 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.

**Section 14: Transportation Information****US Department of Transportation (DOT)**

UN Number: UN1268

UN Proper Shipping Name: Petroleum Distillates, n.o.s.

Technical Name: -

Hazard Class: 3

Subsidiary Hazard Risk: -

Packing Group: III

DOT Label/Placard Exemptions: Not determined

Special Provisions: 144, B1, IB3, T4, TP1, TP29

Packaging Exceptions: 49CFR 173.150

Packaging Non-Bulk: 49CFR 173.203  
Packaging Bulk: 49CFR 173.242  
Reportable Quantity (RQ): None  
Marine Pollutant: No  
Poison Inhalation Hazard: No  
Special precautions for user: Transport within the user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.  
Emergency Response Guidebook (ERG) #: 128

*Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.*

## 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: Yes  
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.*

## Section 16: Other Information

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

Health Hazard: 1  
Chronic Health Hazard: \*  
Flammability: 2  
Physical Hazard: 0  
Personal Protection: X  
(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

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

Health Hazard: 1  
Fire Hazard: 2  
Reactivity Hazard: 0  
Special: N/A  
(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

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Sections Revised: 4, 9-11, 16

## 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  
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

ACGIH - American Conference of Industrial Hygienists  
AIHA - American Industrial Hygiene Association  
BEI - Biological Exposure Indices  
CAS - Chemical Abstracts Service  
DOT - US Department of Transportation  
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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