

Isopar™ C

SDS Revision Date (mm/dd/yyyy): 10/08/2024

Page 1 of 10

SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

: Isopar™ C

Other means of identification: Not available. Not available. Recommended use of the chemical and restrictions on use

: Industrial solvent.

Use pattern: Professional Use Only Restriction on use: None known

Chemical family Mixture

Comet Chemical Company Ltd.

Name, address, and telephone number

of the supplier:

Name, address, and telephone number of

the manufacturer:

Refer to supplier

3463 Thomas Street Innisfill, ON, Canada

L9S 3W4

: (705) 436 5580 Supplier's Telephone #

: GFL Environmental - 1-888-772-2543 24 Hr. Emergency Tel #

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Clear colourless liquid. Mild petroleum odour.

Most important hazards: Highly flammable liquid and vapour.. Causes skin irritation. May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness.

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015).

Hazard classification:

Flammable liquids - Category 2 Skin Irritation - Category 2 Aspiration Toxicity - Category 1

Specific target organ toxicity, single exposure - Category 3 (narcotic effects)

Label elements

Hazard pictogram(s)







Signal Word

DANGER!



Telephone: (705) 436 5580

Isopar™ C

SDS Revision Date (mm/dd/yyyy): 10/08/2024

Page 2 of 10

SAFETY DATA SHEET

Hazard statement(s)

Highly flammable liquid and vapour.

Causes skin irritation.

May be fatal if swallowed and enters airways.

May cause drowsiness or dizziness.

Precautionary statement(s)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking Ground and bond container and receiving equipment.

Use explosion-proof electrical and ventilating equipment.

Use non-sparking tools.

Take action to prevent static discharges.

Wash hands thoroughly after handling.

Avoid breathing mist or vapours.

Use only outdoors or in a well-ventilated area.

Wear protective gloves and eye/face protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If skin irritation occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Do NOT induce vomiting.

In case of fire: Use water fog, dry chemical, CO2 or 'alcohol' foam to extinguish.

Store locked up.

Store in a well-ventilated place. Keep cool.

Keep container tightly closed.

Dispose of contents/container in accordance with local regulation.

Other hazards

Other hazards May be sensitive to static discharge. Take measures to prevent the build up of electrostatic charge.

Other hazards which do not result in classification: Burning produces obnoxious and toxic fumes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Direct eye contact may cause slight or mild, transient irritation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	Common name and synonyms	CAS#	Concentration (% by weight)
2,2,4-Trimethylpentane	Not available.	540-84-1	80.0 - 100.0
Naphtha (petroleum), light alkylate	Isopar E	64741-66-8	10.0 - 30.0

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

Ingestion

: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if symptoms persist. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.



Telephone: (705) 436 5580

Isopar™ C

SDS Revision Date (mm/dd/yyyy): 10/08/2024

Page 3 of 10

SAFETY DATA SHEET

Inhalation

If inhaled: Remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Call a POISON CENTRE or doctor/physician if you feel unwell.

Skin contact

Immediately flush with plenty of water, while removing contaminated clothing.Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.

Eye contact

For eye contact, flush with running water for at least 15 minutes. If eye irritation persists: get medical advice/attention.

Most important symptoms and effects, both acute and delayed

Aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. Causes skin irritation. Symptoms may include redness, edema, drying defatting and cracking of the skin. May cause respiratory irritation. Symptoms may include upper respiratory irritation, coughing and breathing difficulties. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause eye irritation. Symptoms may include tearing, redness and discomfort. May cause central nervous system effects. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects.

Indication of any immediate medical attention and special treatment needed

: Treat symptomatically. Aspiration hazard. This product is a CNS depressant.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

: Carbon dioxide (CO2); Dry chemical; Alcohol resistant foam; Water fog

Unsuitable extinguishing media

: Do not use a solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture / Conditions of flammability

: Highly flammable liquid and vapour. Vapours may ignite explosively. Vapours are heavier than air and may spread along floors. Static discharge, impact, friction, and heat may ignite exposed chemical material. Empty containers may contain hazardous residues.

Flammability classification (OSHA 29 CFR 1910.106)

: Flammable liquids - Category 2

Hazardous combustion products

: Carbon dioxide and carbon monoxide. Hydrocarbons

Special protective equipment and precautions for firefighters

Protective equipment for fire-fighters

: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Do not enter without wearing specialized protective equipment suitable for the situation. Firefighter's normal protective clothing (Bunker Gear) will not provide adequate protection. A full-body encapsulating chemical protective suit with positive pressure self-contained breathing apparatus (NIOSH approved or equivalent) may be necessary.

Special fire-fighting procedures

Do not breathe fumes or vapours. Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dike for water control.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures



Isopar™ C

SDS Revision Date (mm/dd/yyyy): 10/08/2024

Page 4 of 10

SAFETY DATA SHEET

: All persons dealing with the clean-up should wear the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply.

Methods and material for containment and cleaning up

: Ventilate the area. Remove all sources of ignition. Prevent further leakage or spillage if safe to do so. Use only non-sparking tools and equipment in the clean-up process. Avoid breathing mist or vapours. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).Contact the proper local authorities. Refer to Section 13 for disposal of contaminated material.

Special spill response procedures

In Canada:For 24-hour emergency assistance, call: 1-613-996-6666 (CANUTEC). EPA/CERCLA Reportable quantity (RQ): None.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

: Wear protective gloves and eye/face protection. Use only in well-ventilated areas. Avoid breathing vapour or mist. Avoid contact with skin, eyes and clothing. Keep container tightly closed. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Keep away from flames and hot surfaces. - No smoking. Use only non-sparking tools. Take precautionary measures against static discharges. Ground all equipment during handling.

Conditions for safe storage :

Keep container tightly closed. Store in cool/well-ventilated place. Store locked up. Keep cool. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks. No smoking. Empty containers may contain hazardous residues. After prolonged storage, may release explosive peroxides in the presence of air. Direct sunlight or heat may accelerate the release of peroxides.

Incompatible materials

Strong oxidizers (e.g. Chlorine, Peroxides, etc.).

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:				
Chemical Name	ACGIH TLV		OSHA PEL	
	<u>TWA</u>	<u>STEL</u>	PEL	STEL
2,2,4-Trimethylpentane	N/Av	N/Av	N/Av	N/Av
Naphtha (petroleum), light alkylate	N/Av	N/Av	N/Av	N/Av

Exposure controls

Ventilation and engineering measures

: Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Use explosion-proof equipment. In case of insufficient ventilation wear suitable respiratory equipment.



Isopar™ C

SDS Revision Date (mm/dd/yyyy): 10/08/2024

Page 5 of 10

SAFETY DATA SHEET

Respiratory protection: If airbourne concentrations are above the permissible exposure limit or are not known,

use NIOSH-approved respirators. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02. Advice should be sought from respiratory protection

specialists.

Skin protection: Wear protective gloves/clothing. Where extensive exposure to product is possible, use

resistant coveralls, apron and boots to prevent contact. The suitability for a specific

workplace should be discussed with the producers of the protective gloves.

Eye / face protection : Wear eye/face protection. Wear as appropriate: Tightly fitting safety goggles

Other protective equipment: Ensure that eyewash stations and safety showers are close to the workstation location.

Other equipment may be required depending on workplace standards.

General hygiene considerations

: Avoid breathing mist or vapours. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not take contaminated clothing home. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : liquid

Colour : Clear, colorless.

Odour : Mild petroleum odour.

Odour threshold : Not available.

pH : Not available.

Melting Point/Freezing point : Not available.

Initial boiling point and boiling range

: 208-219°C

Flash point : 18°C

Flashpoint (Method) : Closed cup

Evaporation rate (BuAe = 1) : Not available.

Flammability : Not applicable.

Lower explosion or flammability limit (% by vol.)

: Not available.

Upper explosion or flammability limit (% by vol.)

: Not available.

Oxidizing properties : None known.

Explosive properties: May form explosive peroxides.

Vapour pressure : Not available.

Relative vapour density : Not available.

Relative density / Specific gravity

: 0.723-0.749 @ 15.6C

Solubility in water : Insoluble.

Other solubility(ies) : Not available.

Partition coefficient: n-octanol/water or Coefficient of water/oil distribution

: Not available.

Auto-ignition temperature : 404°C (759°F)

Decomposition temperature: No information available.

Viscosity : Not available.

Particle characteristics : Not applicable.

Volatiles (% by weight) : Not available.

Volatile organic Compounds (VOC's)

: No information available.



Telephone: (705) 436 5580

Isopar™ C

Page 6 of 10 SDS Revision Date (mm/dd/yyyy): 10/08/2024

SAFETY DATA SHEET

Absolute pressure of container

: Not applicable.

Flame projection length : Not applicable.

Other physical/chemical comments

: None known or reported by the manufacturer.

SECTION 10. STABILITY AND REACTIVITY

Reactivity Not normally reactive.

: Stable under normal conditions. **Chemical stability**

Possibility of hazardous reactions

: Hazardous polymerization does not occur.

Conditions to avoid Open flames, sparks, high heat, direct sunlight, and close proximity to incompatible

substances. Do not use in areas without adequate ventilation.

Incompatible materials Strong oxidizing agents; Strong acids; Strong alkalis

Hazardous decomposition products

: None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Routes of entry inhalation : YES Routes of entry skin & eye : YFS **Routes of entry Ingestion** : YES Routes of exposure skin absorption

: YES

Potential Health Effects:

Signs and symptoms of short-term (acute) exposure

Sign and symptoms Inhalation

May cause respiratory tract irritation. Symptoms may include upper respiratory irritation, coughing and breathing difficulties. May cause central nervous system effects. Symptoms and signs include headache, dizziness, fatique, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Sign and symptoms ingestion

 Aspiration hazard. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. Ingestion may cause

gastrointestinal irritation, nausea, vomiting and diarrhea.

Sign and symptoms skin Causes skin irritation. Symptoms may include redness, edema, drying defatting and

cracking of the skin.

: Causes serious eye irritation. Symptoms may include redness, pain, tearing and Sign and symptoms eyes

conjunctivitis.

Potential Chronic Health Effects

: Frequent or prolonged contact may dry the skin, leading to discomfort and dermatitis.

Mutagenicity : Not expected to be mutagenic in humans.

Carcinogenicity : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects & Teratogenicity

: Not expected to cause reproductive effects.

: Not expected to be a skin or respiratory sensitizer. Sensitization to material



Telephone: (705) 436 5580

Isopar™ C

SDS Revision Date (mm/dd/yyyy): 10/08/2024

Page 7 of 10

SAFETY DATA SHEET

Specific target organ effects: This material is classified as hazardous under U.S. OSHA regulations (29CFR

1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products

Regulations) (WHMIS 2015). Classification:

Specific target organ toxicity, single exposure - Category 3 (narcotic effects)

May cause drowsiness or dizziness.

Not classified as a specific target organ toxicity - repeated exposure.

Medical conditions aggravated by overexposure

: Pre-existing skin, eye, respiratory and central nervous system disorders.

Synergistic materials

: No information available.

Toxicological data : There is no available data for the product itself, only for the ingredients. See below for

individual ingredient acute toxicity data.

	LC50(4hr)	so(4hr) LD50			
Chemical name	<u>inh, rat</u>	(Oral, rat)	(Rabbit, dermal)		
2,2,4-Trimethylpentane	34.7 mg/L 4 h	>2500 mg/kg	N/Av		
Naphtha (petroleum), light alkylate	>5610 mg/m³	>5000 mg/kg	>2000 mg/kg		

Other important toxicological hazards

: None reported by the manufacturer.

SECTION 12. ECOLOGICAL INFORMATION

Do not allow material to contaminate ground water system. **Ecotoxicity**

See the following tables for the substance's ecotoxicity data.

NI/Av

Naphtha (petroleum), light alkylate	64741-66-8	N/AV	IV/AV	None.

Naphtha (petroleum), light alkylate	64741-66-8	N/Av	N/Av	None.

Naphtha (petroleum), light alkylate	64741-66-8	N/Av	N/Av	N/Av
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Persistence and degradability

: Inherently biodegradable.

Bioaccumulation potential : No information available.

Components	Partition coefficient n-octanol/water (log Kow)	Bioconcentration factor (BCF)
Naphtha (petroleum), light alkylate (CAS 64741-66-8)	N/Av	N/Av

Mobility in soil : The product itself has not been tested.

Other Adverse Environmental effects

: None known.

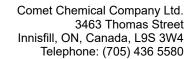
SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal : Handle in accordance with good industrial hygiene and safety practice. Refer to

protective measures listed in sections 7 and 8.

Methods of Disposal Dispose in accordance with all applicable federal, state, provincial and local

regulations.





Isopar™ C

SDS Revision Date (mm/dd/yyyy): 10/08/2024

Page 8 of 10

SAFETY DATA SHEET

RCRA

: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state and federal environmental agencies.

SECTION 14. TRANSPORT INFORMATION

Regulatory Information	ation UN Number UN proper shipping name		Transport hazard class(es)	Packing Group	Label	
TDG	UN1268	PETROLEUM DISTILLATES, N.O.S.	3	II	3	
TDG Additional information	This product ma	ay be shipped as a Limited Quantity, consult the TDG reg	ulations for deta	ails.	•	
49CFR/DOT	UN1268	Petroleum distillates, n.o.s	3	II	3	
49CFR/DOT Additional information	May be shipped	d as a Limited Quanity according to 49 CFR 173.150	!		•	
ICAO/IATA	UN1268	Petroleum products, n.o.s.	3	II	3	
ICAO/IATA Additional information	Refer to ICAO/	IATA Packing Instruction			·	
IMDG	UN1268	PETROLEUM DISTILLATES, N.O.S. or PETROLEUM PRODUCTS, N.O.S.	3	II	3	
IMDG Additional information	May be shipped	d as Limited Quantity, consult the IMDG regulations for de	etails.			

Special precautions for user:

Appropriate advice on safety must accompany the package. Keep away from heat,

sparks and open flame - No smoking.

Environmental hazards

: This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12.

SECTION 15 - REGULATORY INFORMATION

US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:



Isopar™ C

SDS Revision Date (mm/dd/yyyy): 10/08/2024

Page 9 of 10

SAFETY DATA SHEET

<u>Ingredients</u>	0.00 #	TSCA	CERCLA Reportable	SARA TITLE III: Sec. 302, Extremely	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical		
	CAS # Inventory		Quantity(RQ) (40 CFR 117.302):	Hazardous Substance, 40 CFR 355:	Toxic Chemical	de Minimis Concentration	
2,2,4-Trimethylpentane	540-84-1	Yes	1000 lb/ 454 kg	N/Av	No	No	
Naphtha (petroleum), light alkylate	64741-66-8	Yes	N/Ap	N/Av	No	No	

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Flammable; Skin irritation ; Aspiration hazard ; Specific target organ toxicity, single exposure .

US State Right to Know Laws:

The following chemicals are specifically listed by individual States:

<u>Ingredients</u>	CAS#	California Proposition 65		State "Right to Know" Lists					
		Listed	Type of Toxicity	CA	MA	MN	NJ	PA	RI
2,2,4-Trimethylpentane	540-84-1	No	N/Ap	No	Yes	No	Yes	Yes	No
Naphtha (petroleum), light alkylate	64741-66-8	No	N/Ap	No	No	No	No	No	No

Canadian Information:

All ingredients are present on the DSL.

International Information:

Components listed below are present on the following International Inventory list:

Ingredients	CAS#	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
2,2,4-Trimethylpentane	540-84-1	208-759-1	Present	Present	(2)-8	KE-34634	Present	HSR001176
Naphtha (petroleum), light alkylate	64741-66-8	265-068-8	Present	Present	(9)-1690	KE-25627	Present	No information available.

SECTION 16. OTHER INFORMATION

Legend : AICS: Australian Inventory of Chemical Substances

CAS: Chemical Abstract Services

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

of 1980

CNS: Central Nervous System COC: Cleveland Open Cup

CSA: Canadian Standards Association DOT: Department of Transportation EPA: Environmental Protection Agency

IARC: International Agency for Research on Cancer

LC: Lethal Concentration

LD: Lethal Dose N/Ap: Not Applicable N/Av: Not Available

NOEC: No observable effect concentration



Isopar™ C

SDS Revision Date (mm/dd/yyyy): 10/08/2024

Page 10 of 10

SAFETY DATA SHEET

NIOSH: National Institute of Occupational Safety and Health

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible exposure limit

SARA: Superfund Amendments and Reauthorization Act

STEL: Short Term Exposure Limit

TDG: Canadian Transportation of Dangerous Goods Act & Regulations

TLV: Threshold Limit Values TWA: Time Weighted Average

References : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents &

Biological Exposure Indices2. ECHA - European Chemical Agency3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases4. Safety Data Sheets from manufacturer.5. US EPA Title III List of Lists 6. California Proposition 65 List 7. OECD -

The Global Portal to Information on Chemical Substances - eChemPortal

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Revision No. : 2

Revision Information : 5. FIRE-FIGHTING MEASURES 9. PHYSICAL AND CHEMICAL PROPERTIES 15.

REGULATORY INFORMATION

Other special considerations for handling

: Provide adequate information, instruction and training for operators.

Prepared for:

Comet Chemical Company Ltd.

3463 Thomas Street Innisfill, ON L9S 3W4

Information (M-F 8:00-5:00): 705-436-5580

www.cometchemical.com

COMET CHEMICAL COMPANY LTD.

Prepared by:

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http://www.thecompliancecenter.com



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