

Odourless Mineral Spirits

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## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

Product identifier used on the label

: **Odourless Mineral Spirits**

Other means of identification : None reported.

Recommended use of the chemical and restrictions on use

: Industrial solvent.  
Use pattern: Professional Use Only  
Restriction on use: None known

Chemical family : Petroleum distillates

Name, address, and telephone number  
of the supplier:

**Comet Chemical Company Ltd.**

3463 Thomas Street  
Innisfill, ON, Canada  
L9S 3W4

Supplier's Telephone # : (705) 436-5580

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

Name, address, and telephone number of  
the manufacturer:

Refer to supplier

### SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

Clear colourless liquid. Odorless.

Most important hazards: May be fatal if swallowed and enters airways. Occupational exposure to the substance or mixture may cause adverse 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).

Hazard classification:

Flammable Liquids - Category 3

Aspiration toxicity: Category 1

Label elements

Hazard pictogram(s)



Signal Word

**DANGER!**

Hazard statement(s)

Flammable liquid and vapor.  
May be fatal if swallowed and enters airways.

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### Precautionary statement(s)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking  
 Keep container tightly closed.  
 Ground and bond container and receiving equipment.  
 Use explosion-proof electrical and ventilating equipment.  
 Use non-sparking tools.  
 Take action to prevent static discharges.  
 Wear protective gloves and eye/face protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 If swallowed: Immediately call a poison center/doctor.  
 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.

Dispose of contents/container in accordance with local/regional/national/international regulations.

### Other hazards

Other hazards which do not result in classification:

Ingestion may cause irritation of the mouth, throat and stomach. May cause respiratory irritation. Contact with eyes may cause irritation.

Prolonged or repeated contact may cause drying, cracking and defatting of the skin.

Environmental precautions :

Avoid release to the environment. See ECOLOGICAL INFORMATION, Section 12.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance

<u>Chemical name</u>	<u>Common name and synonyms</u>	<u>CAS #</u>	<u>Concentration (% by weight)</u>
Hydrotreated heavy naphtha	Naphtha (Petroleum) Hydrotreated Heavy	64742-48-9	<b>100.00</b>
Alkanes, C9-11-iso-	C9-C11 Isoalkanes	68551-16-6	<b>100.00</b>

### SECTION 4. FIRST-AID MEASURES

#### Description of first aid measures

- Ingestion* : If swallowed: Immediately call a poison center/doctor. Do not induce vomiting. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration.
- Inhalation* : Immediately remove person to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Call a POISON CENTER or doctor/physician if you feel unwell.
- Skin contact* : Wash affected areas with soap and water. Take off contaminated clothing and wash before re-use. Get medical attention if irritation develops and persists.
- Eye contact* : Flush with large amounts of water for 15 minutes. Remove contact lenses, if present and easy to do. If irritation or symptoms develop, seek medical attention.

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

- : Aspiration hazard - material may cause lung inflammation or damage if it enters lungs through vomiting or swallowing. Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal. Inhalation of high concentrations may cause dizziness, disorientation, incoordination, narcosis, nausea or narcotic effects. Direct eye contact may cause temporary redness. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May have laxative effects.

### Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically. Aspiration hazard.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing media

#### *Suitable extinguishing media*

- : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### *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

- : Flammable liquid and vapour. Closed containers may rupture if exposed to excess heat or flame due to a build-up of internal pressure. Vapour can travel considerable distance and flashback to a source of ignition. Vapours are heavier than air and collect in confined and low-lying areas.

### Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable Liquids - Category 3

### Hazardous combustion products

- : Carbon dioxide and carbon monoxide. Other unidentified organic compounds.

### 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. A full-body chemical resistant suit should be worn. 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*

- : Evacuate personnel to safe areas. Move containers from fire area if safe to do so. Water spray may be useful in cooling equipment exposed to heat and flame. Dike for water control. Avoid release to the environment.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

- : All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Keep all other personnel upwind and away from the spill/release. Restrict access to area until completion of clean-up. Refer to Section 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION, for additional information on acceptable personal protective equipment.

**Environmental precautions** : Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. For large spills, dike the area to prevent spreading.

### Methods and material for containment and cleaning up

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- : Ventilate the area. Prevent further leakage or spillage if safe to do so. Dike for water control. Use only non-sparking tools and equipment in the clean-up process. Spilled material will create slippery surfaces. Clean up promptly. 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.

### Special spill response procedures

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

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling

- : Use only outdoors or in a well-ventilated area. Wear suitable protective equipment. Avoid breathing mist or vapours. Avoid contact with skin, eyes and clothing. Keep away from heat and open flames. - No smoking. Use only non-sparking tools. Use explosion-proof electrical/ventilating/lighting/equipment. Take precautionary measures against static discharges. Bond and ground transfer containers and equipment to avoid static accumulation. Label containers appropriately. Wash thoroughly after handling. Keep containers closed when not in use.

- Conditions for safe storage** : Store locked up. Store in a cool, dry, well-ventilated area. Keep container tightly closed. Storage area should be clearly identified, clear of obstruction and accessible only to trained and authorized personnel. Inspect periodically for damage or leaks.

- Incompatible materials** : Strong oxidizers (e.g. Chlorine, Peroxides, etc.).

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>					
	<u>Chemical Name</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
		<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Hydrotreated heavy naphtha	N/Av	N/Av	N/Av	N/Av	
Alkanes, C9-11-iso-	200ppm	N/Av	N/Av	N/Av	

### Exposure controls

#### Ventilation and engineering measures

- : Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapours below their respective threshold limit value. Use explosion-proof electrical and ventilating equipment.

- Respiratory protection** : Respiratory protection is required if the concentrations exceed the TLV. Use a NIOSH approved dust respirator if dust levels exceed exposure limits. Seek advice from respiratory protection specialists.

- Skin protection** : Wear protective gloves. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

- Eye / face protection** : Wear eye/face protection. Wear safety glasses with side shields ( or goggles).

- Other protective equipment** : Wear appropriate protective clothing to prevent skin contact, such as coveralls or long sleeved shirt, long pants, and shoes and socks. An eyewash station and safety shower should be made available in the immediate working area. Other equipment may be required depending on workplace standards.

#### General hygiene considerations

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: Avoid breathing mist or vapours. Avoid contact with skin, eyes and clothing. Do not eat, drink, smoke or use cosmetics while working with this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State** : Liquid.  
**Colour** : Clear, colorless.  
**Odour** : Odorless  
**Odour threshold** : No information available.  
**pH** : No information available.  
**Melting Point/Freezing point** : Not available.  
**Initial boiling point and boiling range**  
: 178-188°C (370.4°F)  
**Flash point** : 48°C (118.4°F)  
**Flashpoint (Method)** : Tag closed cup  
**Evaporation rate (BuAe = 1)** : <1  
**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** : Not explosive  
**Vapour pressure** : Not available.  
**Relative vapour density** : >3(Air = 1)  
**Relative density / Specific gravity**  
: 0.758  
**Solubility in water** : Insoluble.  
**Other solubility(ies)** : No information available.  
**Partition coefficient: n-octanol/water or Coefficient of water/oil distribution**  
: Not available.  
**Auto-ignition temperature** : 336°C (636.8°F)  
**Decomposition temperature** : No information available.  
**Viscosity** : 1.12- cST @ 25°C  
**Particle characteristics** : Not applicable.  
**Volatiles (% by weight)** : Not available.  
**Volatile organic Compounds (VOC's)**  
: No information available.  
**Absolute pressure of container**  
: N/Ap  
**Flame projection length** : N/Ap  
**Other physical/chemical comments**  
: None known or reported by the manufacturer.

### SECTION 10. STABILITY AND REACTIVITY

**Reactivity** : Not normally reactive.  
**Chemical stability** : Stable under normal conditions.  
**Possibility of hazardous reactions**  
: Hazardous polymerization does not occur.

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- Conditions to avoid** : Ensure adequate ventilation, especially in confined areas. Avoid contact with incompatible materials. Avoid heat, sparks, open flames and other ignition sources.
- 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** : YES
- Routes of entry Ingestion** : YES
- Routes of exposure skin absorption** : NO

#### Potential Health Effects:

##### Signs and symptoms of short-term (acute) exposure

###### *Sign and symptoms Inhalation*

- : Inhalation of high concentrations may cause dizziness, disorientation, incoordination, narcosis, nausea or narcotic effects.

###### *Sign and symptoms ingestion*

- : Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard if swallowed - can enter lungs and cause damage. Aspiration may cause pulmonary oedema and pneumonitis.

###### *Sign and symptoms skin*

- : Causes skin irritation. Symptoms may include redness, edema, drying defatting and cracking of the skin.

###### *Sign and symptoms eyes*

- : Direct eye contact may cause slight redness.

##### Potential Chronic Health Effects

- : Prolonged exposure can cause redness, swelling, itching, cracking of the skin, dermatitis and sensitization.

##### 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 have other reproductive effects.

##### Sensitization to material

- : Not expected to be a skin or respiratory sensitizer.

##### Specific target organ effects

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

##### Medical conditions aggravated by overexposure

- : Pre-existing skin, eye and respiratory disorders.

##### Synergistic materials

- : No information available.

##### Toxicological data

- : See below for toxicological data on the substance.

<u>Chemical name</u>	<u>LC<sub>50</sub>(4hr)</u> <u>inh, rat</u>	<u>LD<sub>50</sub></u>	
		<u>(Oral, rat)</u>	<u>(Rabbit, dermal)</u>
Hydrotreated heavy naphtha	> 5.04 mg/L (vapour)	> 7000 mg/kg	> 2000 mg/kg (No mortality)
Alkanes, C9-11-iso-	N/Av	N/Av	N/Av

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**Other important toxicological hazards**

: See Section 2 for additional information.

**SECTION 12. ECOLOGICAL INFORMATION**
**Ecotoxicity** : Harmful to aquatic life. Do not allow this material to drain into sewers/water supplies. See the following tables for the substance's ecotoxicity data.

**Ecotoxicity data:**

<u>Ingredients</u>	CAS #	Toxicity to Fish		
		LC50 / 96h	NOEC / 21 day	M Factor
Hydrotreated heavy naphtha	64742-48-9	8.2 mg/L (Fathead minnow)	N/Av	None.
Alkanes, C9-11-iso-	68551-16-6	N/Av	N/Av	

<u>Ingredients</u>	CAS #	Toxicity to Daphnia		
		EC50 / 48h	NOEC / 21 day	M Factor
Hydrotreated heavy naphtha	64742-48-9	32 mg/L (Daphnia magna)	6.3 mg/L	None.
Alkanes, C9-11-iso-	68551-16-6	N/Av	N/Av	

<u>Ingredients</u>	CAS #	Toxicity to Algae		
		EC50 / 96h or 72h	NOEC / 96h or 72h	M Factor
Hydrotreated heavy naphtha	64742-48-9	45 mg/L/96hr (Green algae)	18 mg/L/96hr	None.
Alkanes, C9-11-iso-	68551-16-6	N/Av	N/Av	

**Persistence and degradability**

: Not readily biodegradable.

**Bioaccumulation potential**

: No data is available on the product itself.

<u>Components</u>	<u>Partition coefficient n-octanol/water (log Kow)</u>	<u>Bioconcentration factor (BCF)</u>
Hydrotreated heavy naphtha (CAS 64742-48-9)	N/Av	N/Av
Alkanes, C9-11-iso- (CAS 68551-16-6)	N/Av	N/Av

**Mobility in soil** : This material has low solubility and floats, and is expected to migrate from water to the land.

**Other Adverse Environmental effects**

: No data is available on the product itself.

**SECTION 13. DISPOSAL CONSIDERATIONS**
**Handling for Disposal** : Handle waste according to recommendations in Section 7. Empty containers may contain hazardous residues.

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- Methods of Disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations.
- 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.

### SECTION 14. TRANSPORT INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
TDG	UN1268	PETROLEUM PRODUCTS, N.O.S.	3	III	
<b>TDG Additional information</b>	May be shipped as a Limited Quantity when transported in containers no larger than 5 L (1.3 gallons); in packages not exceeding 30 kg (66 pounds) gross mass.				
49CFR/DOT	UN1268	Petroleum distillates, n.o.s.; or Petroleum products, n.o.s.	3	III	
<b>49CFR/DOT Additional information</b>	Limited Quantity exemption may be used if product is in containers or 5 Litres or less, per Section 173.150 of 49 CFR.				
IMDG	UN1268	PETROLEUM DISTILLATES, N.O.S.; or PETROLEUM PRODUCTS, N.O.S.	3	III	
<b>IMDG Additional information</b>	Consult the IMDG regulations for exceptions.				
ICAO/IATA	UN1268	Petroleum products, n.o.s.	3	III	
<b>ICAO/IATA Additional information</b>	Refer to ICAO/IATA Packing Instruction				

**Special precautions for user** : Appropriate advice on safety must accompany the package.

**Environmental hazards** : This substance does not meet the criteria for an environmentally hazardous substance according to the IMDG Code. See Section 12 for more environmental information.

### SECTION 15 - REGULATORY INFORMATION

**US Federal Information:**

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





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<u>Ingredients</u>	CAS #	TSCA Inventory	CERCLA Reportable Quantity(RQ) (40 CFR 117.302):	SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355:	SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical	
					Toxic Chemical	de Minimis Concentration
Hydrotreated heavy naphtha	64742-48-9	Yes	None.	None.	No	No
Alkanes, C9-11-iso-	68551-16-6	Yes	N/Ap	N/Av	No	NS

SARA TITLE III: Sec. 311 and 312, SDS Requirements, 40 CFR 370 Hazard Classes: Flammable, Aspiration hazard.

### 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
Hydrotreated heavy naphtha	64742-48-9	No	N/Ap	No	No	No	No	No	No
Alkanes, C9-11-iso-	68551-16-6	No	N/Ap	No	No	No	No	No	No

### Canadian Information:

All ingredients are present on the DSL.  
WHMIS Classification: See Section 2.

### International Information:

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

<u>Ingredients</u>	CAS #	European EINECs	Australia AICS	Philippines PICCS	Japan ENCS	Korea KECI/KECL	China IECSC	NewZealand IOC
Hydrotreated heavy naphtha	64742-48-9	265-150-3	Present	Present	(9)-1690	KE-25622	Present	May be used as a single component chemical under an appropriate group standard.
Alkanes, C9-11-iso-	68551-16-6	271-365-3	Present	Present		KE-00529	Present	

## SECTION 16. OTHER INFORMATION

### Legend

: ACGIH: American Conference of Governmental Industrial Hygienists  
 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

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LD: Lethal Dose  
N/Ap: Not Applicable  
N/Av: Not Available  
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  
TLV: Threshold Limit Values  
TWA: Time Weighted Average

**References** : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices 2. ECHA - European Chemical Agency 3. Canadian Centre for Occupational Health and Safety, CCIInfoWeb databases 4. 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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:

**Other special considerations for handling**

: Provide adequate information, instruction and training for operators.

<p><b><u>Prepared for:</u></b> Comet Chemical Company Ltd. 3463 Thomas Street Innisfill, ON L9S 3W4 Information (M-F 8:00-5:00): 705-436-5580 www.cometchemical.com</p>	
<p><b><u>Prepared by:</u></b> ICC The Compliance Center Inc. Telephone: (888) 442-9628 (U.S.): (888) 977-4834 (Canada) <a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a></p>	

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