



Comet Chemical Company Ltd.  
3463 Thomas Street Innisfil ,ON L9S 3W4  
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## Material Safety Data Sheet

**MINERAL SPIRITS: COMSOL 3139, COMSOL DX3139, COMSOL 3135, COMSOL D3135**

Revision Date: 2008/07/30

### Section 1 : PRODUCT AND COMPANY IDENTIFICATION

**Chemical family:** Not available.

**Product uses:** Solvent.  
Fuel  
Diluent.

**Product name:** Mineral Spirits: Comsol 3135

**Supplier:** Comet Chemical Ltd.  
3463 Thomas Street  
Innisfil, On.  
L9S 3W4.

**Supplier 24 hour phone number:** (705)436-5580 – weekdays from 8:00-5:00.  
(800)567-7455 all other times (Newalta Services).

### Section 2 : INGREDIENT INFORMATION

C.A.S.	CONCENTRATION %	Ingrédient	V.L.E.	DL/50	CL/50
64742-47-8	*	PETROLEUM DISTILLATE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE
8052-41-3	*	STODDARD SOLVENT	100 PPM	NOT AVAILABLE	NOT AVAILABLE

### Section 2A: ADDITIONAL INGREDIENT INFORMATION

\*: This product contains either CAS# 8052-41-3 (100%) or CAS# 64742-47-8 (100%).

### Section 3 : HAZARD IDENTIFICATION

**Route of entry:** Eye contact, skin contact, skin absorption, inhalation and ingestion.

#### Effects of acute exposure

**Eye contact:** Irritant.

**Skin contact:** May cause drying and irritation.

**Skin absorption:** No adverse effects are expected with normal use.  
May be absorbed through the skin.

**Inhalation:** Irritant.  
Intoxication.  
May cause drowsiness.  
Headaches, dizziness.

**Ingestion:** Aspiration of material into lungs may cause chemical pneumonitis.  
Low toxicity.

**Effects of chronic exposure:** May cause kidney effects.  
Prolonged or repeated overexposure may cause drying and cracking of the skin (dermatitis).

**Sensitization to product:** No

**Carcinogenic effects:** Not listed as a carcinogen.

**Reproductive effects:** None known.

**Teratogenicity:** Not available.

**Mutagenicity:** Not available.

**Synergistic materials:** Not available.

#### Section 4 : FIRST AID MEASURES

**Skin contact:** Remove contaminated clothing.  
Wash with mild soap and water.  
Consult a physician if irritation persists.

**Eye contact:** Flush eyes with clear, running water for 15 minutes while holding eyelids open. If irritation persists, consult a physician.

**Inhalation:** Remove victim to fresh air. If not breathing, qualified personnel should administer artificial respiration. Get medical attention.

**Ingestion:** Obtain immediate medical attention.  
Do not induce vomiting, keep person warm, quiet.  
Guard against aspiration of liquids into lungs.  
If vomiting occurs, keep head below hips.  
Never give anything by mouth to an unconscious person.  
Drink several glasses of water to dilute.

#### Section 5 : FIRE FIGHTING MEASURES

**Flammability:** Combustible.

**Conditions of flammability:** Heat, sparks and open flames.

**Extinguishing media:** Dry chemical.  
Foam  
Water spray.  
Do not use water jet.

**Special procedures:** Firefighters should wear adequate protective gear.  
Self-contained breathing apparatus required.  
Use water spray to cool fire exposed containers.  
This material may produce a floating fire hazard.

**Auto-ignition temperature (°C):** 243°C

**Flash point (°C), method:** 43°C

**Lower flammability  
limit (% vol):** 2.3

**Upper flammability  
limit (% vol):** 12.1

### Explosion Data

- Sensitivity to static discharge:** Take precautionary measures against static discharge.
- Sensitivity to mechanical impact:** Not sensitive.
- Hazardous combustion products:** Carbon monoxide (CO).  
Smoke  
Nitrogen oxides (NO<sub>x</sub>).
- Rate of burning:** Not available.
- Explosive power:** Not available.

## Section 6 : ACCIDENTAL RELEASE MEASURES

- Leak/Spill:** Eliminate all sources of ignition.  
Dike area to prevent spreading.  
Ventilate area.  
Wear appropriate protective equipment.  
Ground handling equipment.  
Use non-sparking tools.  
Explosion proof motors are recommended.  
Pump to containers or soak up on inert absorbent.  
Place in a closed container for disposal.  
Do not flush to sewer.  
Blanket spill with foam to protect against accidental ignition.

## Section 7 : HANDLING AND STORAGE

- Handling procedures and equipment:** Keep away from heat, sparks, and open flame.  
Avoid breathing vapors/mists.  
Use adequate ventilation.  
Wear personal protective equipment appropriate to task.  
Use proper grounding procedures.  
Avoid contact with skin, eyes and clothing.  
Do not cut, grind, weld or drill on or near containers.  
Launder contaminated clothing prior to reuse.  
Do not ingest.  
Cloth or paper soaked in these products may undergo spontaneous ignition. Never discard wiping cloths soaked in this product carelessly. Dry carefully before discarding.
- Storage requirements:** Store away from all sources of ignition.  
Store away from incompatible materials.  
Store in a cool, dry and well ventilated area.

## Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

### Precautionary Measures

**Gloves/Type:**



Nitrile or viton.

- Respiratory/Type:** None required under normal use.  
NIOSH approved respirator with organic vapor cartridge.  
If material is hot and vapour is emitted.

**Eye/Type:**



Safety glasses with side-shields.

**Footwear/Type:** Safety shoes per local regulations.

**Clothing/Type:** Normal work clothes.

**Other/Type:** Eye wash facility should be in close proximity.  
Emergency shower should be in close proximity.

**Ventilation requirements:** Mechanical ventilation is recommended.  
If material is hot and vapour is emitted.

**Exposure limit of material:** 200 ppm.

## Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.

**Appearance & odor:** Mild odour.  
Colourless.  
Clear  
Petroleum odour.

**Odor threshold (ppm):** Not available.

**Vapour pressure (mmHg):** 2.24 @ 20°C

**Vapour density (air=1):** 4.7

### Volatiles (%)

**By volume:** Not available.

**Evaporation rate  
(butyl acetate = 1):** Not available.

**Boiling point (°C):** 156 – 178°C

**Freezing point (°C):** –56°C

**pH:** Not available.

**Specific gravity @ 20 °C:** 0.784

**Solubility in water (%):** Nil

**Coefficient of water/oil dist.:** Not available.

**VOC:** Not available.

## Section 10 : STABILITY AND REACTIVITY

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

**Conditions of instability:** Contact with incompatible substances.

**Hazardous polymerization:** Will not occur.

**Incompatible substances:** Strong oxidizing agents.

**Hazardous decomposition  
products:** See hazardous combustion products.

### Section 11 : TOXICOLOGICAL INFORMATION

**LD50 of product, species & route:** 5000 mg/kg oral.  
3000 mg/kg dermal.

**LC50 of product, species & route:** 5000 ppm inhalation.

### Section 12 : ECOLOGICAL INFORMATION

**Environmental toxicity:** No data at this time.

**Environmental fate:** No data at this time.

### Section 13 : DISPOSAL CONSIDERATIONS

**Waste disposal:** In accordance with municipal, provincial and federal regulations.  
May be incinerated.

### Section 14 : TRANSPORT INFORMATION

**TDG classification:** PETROLEUM DISTILLATES, N.O.S. (naphtha)  
UN1268  
Class 3  
PG III.



**Special shipping information:** See transportation information.

### Section 15 : REGULATORY INFORMATION

**WHMIS classification:**

B3, D2B.



**DSL status:** The substance(s) listed in section 2 appear on the Domestic Substances List.

### Section 16 : OTHER INFORMATION

**Supplier MSDS date:** 2008/07/30

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