



Comet Chemical Company Ltd.
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Material Safety Data Sheet

COMSOL 100

Revision Date: 2009/03/02

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Mixture.

Product uses: Solvent.

Product name: Comsol 100

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 %	Ingredient Name	T.L.V.	LD/50	LC/50
1330-20-7	0-3	XYLENE	100 PPM	4300 MG/KG RAT ORAL 2119 MG/KG MOUSE ORAL >1700 MG/KG RABBIT DERMAL	5000 PPM/4H RAT INHALATION
64742-95-6	100	LIGHT AROMATIC SOLVENT NAPHTHA (C8-C10)	NOT AVAILABLE	8400 MG/KG RAT ORAL	NOT AVAILABLE
95-63-6	0-10	1,2,4 TRIMETHYL BENZENE	25 PPM	5000 MG/KG RAT ORAL 6900 MG/KG MOUSE ORAL	18,000 MG/M3/4H RAT INHALATION
98-82-8	0-3	CUMENE	50 PPM	1400 MG/KG RAT ORAL 12750 MG/KG MOUSE ORAL 12300 UL/KG/7H RABBIT DERMAL	10,000 MG/M3/7 HRS MOUSE INHALATION 39,000 MG/M3/4H RAT INHALATION

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: (supplier).
CAS# 64742-95-6: TLV 50 ppm.
CAS# 64742-95-6: LD50 > 8000 mg/kg rat oral.

Section 3 : HAZARD IDENTIFICATION

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

Effects of acute exposure

Eye contact: May cause eye damage.
Irritant.

- Skin contact:** May cause irritation.
May cause drying, defatting.
- 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:** May cause dizziness.
May cause headache and drowsiness.
May cause signs of intoxication.
- Effects of chronic exposure:** May aggravate an existing dermatitis.
Prolonged or repeated overexposure may cause drying and cracking of the skin (dermatitis).
May result in weight loss.
- Sensitization to product:** No
- Carcinogenic effects:** Not listed as a carcinogen.
- Reproductive effects:** Reproductive effects reported in animals.
- Teratogenicity:** Not available.
- Mutagenicity:** Not available.
- Synergistic materials:** Not available.

Section 4 : FIRST AID MEASURES

- Skin contact:** Wash thoroughly with soap and water.
Remove contaminated clothing.
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 milk.

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): 465°C

Flash point (°C), method: 41°C

**Lower flammability
limit (% vol):** 0.6%

**Upper flammability
limit (% vol):** 7%

Explosion Data

Sensitivity to static discharge: Take precautionary measures against static discharge.

Sensitivity to mechanical impact: Not sensitive.

Hazardous combustion products: Carbon monoxide (CO).
Nitrogen oxides (NO_x).

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.
Soak up with inert absorbent.
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.

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 gloves.
Viton gloves.

Respiratory/Type: None required under normal use.
If TLV is exceeded.



NIOSH approved organic vapors.

Eye/Type:



Safety glasses with side-shields.



Chemical safety goggles.

Footwear/Type:



Impervious boots.

Clothing/Type: Long sleeve shirt, long trousers.



Impervious apron.
When splashing is possible.

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

Ventilation requirements: As needed to stay below TLV.

Exposure limit of material: Not available for mixture, see the ingredients section.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Appearance & odor: Colourless.
Aromatic odour.
Clear
Petroleum odour.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): < 1.3 kPa @ 38°C

Vapour density (air=1): 4.1

Volatiles (%)

By volume: Not available.

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

Boiling point (°C): 159–170°C

Freezing point (°C): –53°C

pH: Not available.

Specific gravity @ 20 °C: 0.870

Solubility in water (%): < 0.1% (20°C)

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: 8400 mg/kg rat oral.

LC50 of product, species & route: > 18,000 ppm rat 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: Appears on DSL.

Section 16 : OTHER INFORMATION

Supplier MSDS date: 2009/03/02.

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