



Comet Chemical Company Ltd.
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Material Safety Data Sheet

CARBITOL SOLVENT

Revision Date: 2008/05/08

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Not available.

Product uses: Solvent for dyes, resins and lacquers.

Product name: Carbitol Solvent

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
111-90-0	100	DIETHYLENE GLYCOL ETHYL ETHER	NOT AVAILABLE	5500 UL/KG RAT ORAL 6 ML/KG RAT DERMAL 6600 UL/KG MOUSE ORAL 6 ML/KG MOUSE DERMAL 3620 MG/KG RABBIT ORAL 4200 UL/KG RABBIT DERMAL 8.5 ML/KG/2H RABBIT DERMAL	> 5240 MG/M3/4HRS RAT INHALATION

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: (supplier).

CAS# 111-90-0: TLV 25 ppm.

CAS# 111-90-0: LD50 2140 mg/kg rat oral.

CAS# 111-90-0: LD50 6000 mg/kg rabbit dermal.

Section 3 : HAZARD IDENTIFICATION

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

Effects of acute exposure

Eye contact: Mild irritant.

Skin contact: Mild irritant.

Skin absorption: May be absorbed through the skin.
Toxic by skin absorption.

Inhalation: May cause headache, dizziness and nausea.
At high concentrations.

Ingestion: May cause vomiting.
May cause dizziness.
May cause headache and drowsiness.
May cause abdominal pain.
May cause signs of intoxication.
May cause mental confusion.
Stupor.
May cause slurred speech.

Effects of chronic exposure: May cause weakness.
May cause kidney damage.

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: None known.

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.
Give large quantities of water to drink.
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.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 5 : FIRE FIGHTING MEASURES

- Flammability:** Combustible.
- Conditions of flammability:** Heat, open flame, ignition sources.
- Extinguishing media:** Dry chemical.
Foam
Water fog.
Water spray.
Do not use direct water jet.
- Special procedures:** Firefighters should wear adequate protective gear.
Self-contained breathing apparatus required.
Use water spray to cool fire exposed containers.
- Auto-ignition temperature (°C):** 204°C
- Flash point (°C), method:** Closed Cup.
(Results vary depending on method).
91–102°C
- Lower flammability limit (% vol):** 1.2%
- Upper flammability limit (% vol):** 9%
- Explosion Data**
- Sensitivity to static discharge:** Not expected.
- Sensitivity to mechanical impact:** Not sensitive.
- Hazardous combustion products:** Carbon monoxide (CO).
Smoke
Nitrogen oxides (NO_x).
Partially oxidized hydrocarbons.
- Rate of burning:** Not available.
- Explosive power:** Explosive peroxides may form on prolonged storage in contact with air and heat.

Section 6 : ACCIDENTAL RELEASE MEASURES

- Leak/Spill:** Eliminate all sources of ignition.
Absorb with inert material.
Dike area to prevent spreading.
Ventilate area.
Wear appropriate protective equipment.
Pump to containers or soak up on inert absorbent.
Place in a closed container for disposal.
Do not flush to sewer.

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.
Avoid contact with skin, eyes and clothing.
Do not cut, grind, weld or drill on or near containers.
Launder contaminated clothing prior to reuse.

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:



Rubber gloves.
Polyvinyl chloride gloves.
Saranex gloves.

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



NIOSH approved organic vapors.

Eye/Type:



Chemical safety goggles.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: No special requirements.

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: See section 2A.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Appearance & odor: Faint odour.
Clear
Fruity odor.
Hygroscopic.
Colorless.

Odor threshold (ppm): ~ 1 ppm

Vapour pressure (mmHg): 0.07 (20°C)

Vapour density (air=1): 4.6

Volatiles (%)

By volume: Not available.

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

Boiling point (°C): 201°C

Freezing point (°C): -44°C

pH: Not available.

Specific gravity @ 20 °C: 0.991

Solubility in water (%): Complete.
(also soluble in ketones, alcohols and aromatic hydrocarbons).

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 acids and alkalis.
Strong oxidizing agents.

Hazardous decomposition products: See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: 5500 mg/kg rat oral.
6000-8500 mg/kg rabbit dermal.
6000-8500 mg/kg mouse dermal.

LC50 of product, species & route: Not available.

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: Not regulated.

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: 2008/05/08

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