



Comet Chemical Company Ltd.  
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# Material Safety Data Sheet

## BUTYL CARBITOL

Revision Date: 2008/05/07

### Section 1 : PRODUCT AND COMPANY IDENTIFICATION

**Chemical family:** Not available.

**Product uses:** Solvent for resins, enamels, cellulose nitrate; plasticiser.

**Product name:** Butyl Carbitol

**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
112-34-5	100	ETHANOL, 2-BUTOXYETHOXY	NOT AVAILABLE	4500 MG/KG RAT ORAL  2400 MG/KG MOUSE ORAL  2200 MG/KG RABBIT ORAL  2700 MG/KG RABBIT DERMAL	NOT AVAILABLE

### Section 2A: ADDITIONAL INGREDIENT INFORMATION

**Note:** (supplier).  
CAS# 112-34-5: LD50 2000 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.  
Severe irritation.

**Skin contact:** Mild irritant.

**Skin absorption:** No adverse effects are expected with normal use.

**Inhalation:** May cause headache, dizziness and nausea.

**Ingestion:** May cause vomiting.  
May cause dizziness.  
May cause headache and drowsiness.  
May cause signs of intoxication.  
May cause mental confusion.  
Stupor.  
May cause slurred speech, rapid heart rate and respiration.

**Effects of chronic exposure:** May cause liver and kidney damage.  
May cause blood in urine.

**Sensitization to product:** No

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

**Reproductive effects:** Not available.

**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.  
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, sparks and open flames.

**Extinguishing media:** Dry chemical.  
Foam  
Water fog.  
Water spray.  
Do not use direct water jet.  
Solid streams of water are likely to spread fire.

**Special procedures:** Firefighters should wear adequate protective gear.  
Self-contained breathing apparatus required.  
This products floats on water which creates a fire hazard.

**Auto-ignition temperature (°C):** 204°C

**Flash point (°C), method:** Closed Cup.  
78°C

**Lower flammability limit (% vol):** 0.8%

**Upper flammability limit (% vol):** 25%

#### **Explosion Data**

**Sensitivity to static discharge:** Not sensitive.

**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.


### **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:** 

Neoprene or butyl rubber.  
Viton gloves.

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



NIOSH approved organic vapors.

**Eye/Type:** 

Splash proof chemical goggles.

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

**Clothing/Type:** Wear adequate protective clothes.

**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.

## Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid.

**Appearance & odor:** Faint odour.  
Clear  
Colorless.

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

**Vapour pressure (mmHg):** 0.02 mmHg 0.003 kPa (20°)

**Vapour density (air=1):** 5.5

### Volatiles (%)

**By volume:** Not available.

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

**Boiling point (°C):** 230°C

**Freezing point (°C):** -68°C

**pH:** Not available.

**Specific gravity @ 20 °C:** 0.954

**Solubility in water (%):** Complete.  
(also soluble in alcohols, ketones and oils).

**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.  
Strong oxidizing agents.  
Strong alkalies at high temperatures.

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

### Section 11 : TOXICOLOGICAL INFORMATION

**LD50 of product, species & route:** 5560 mg/kg rat oral.  
2700 mg/kg rabbit 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:** 2008/05/07

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