



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

BUTYL CARBITOL ACETATE

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 Acetate

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 |
|----------|-----------------|------------------------|---------------|---|-------------------------------------|
| 124-17-4 | 100 | BUTYL CARBITOL ACETATE | NOT AVAILABLE | 6500 MG/KG RAT ORAL 6600 MG/KG MOUSE ORAL 2260 MG/KG RABBIT ORAL 14500 MG/KG RABBIT DERMAL | 72500 MG/M3/4 HRS RAT INHALATION |

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: Low toxicity.

Inhalation: No effects expected under normal use.

Ingestion: May cause vomiting.
May cause dizziness.
May cause headache and drowsiness.
May cause abdominal pain.
May cause signs of intoxication.
May cause irritation or burning sensation in mouth and throat.

Effects of chronic exposure: May cause weakness.
may cause mild skin reddening and peeling.

Sensitization to product: No

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: No effects reported.

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: Not flammable.

Conditions of flammability: At temperatures at or above flash point.

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): 295°C

Flash point (°C), method: 116°C

Lower flammability limit (% vol): 0.8%

Upper flammability limit (% vol): 10.7%

Explosion Data

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



Butyl rubber.
Nitrile gloves.


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



NIOSH approved organic vapors.

Eye/Type: 

Splash proof chemical 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.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Appearance & odor: Mild odour.
Clear
Colorless.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): 0.04 (20°)

Vapour density (air=1): 7

Volatiles (%)

By volume: Not available.

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

Boiling point (°C): 247°C

Freezing point (°C): -32°C

pH: Not available.

Specific gravity @ 20 °C: 0.978

Solubility in water (%): 6%

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.
Strong alkalis at high temperatures.

Hazardous decomposition products: See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: 2260 mg/kg rat oral.
6500 mg/kg mouse oral.
14,500 mg/kg rabbit dermal.

LC50 of product, species & route: 72,500 mg/m³ 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: Not regulated.

Special shipping information: See transportation information.

Section 15 : REGULATORY INFORMATION

WHMIS classification: Not controlled.

DSL status: Appears on DSL.

Section 16 : OTHER INFORMATION

Supplier MSDS date: 2008/05/07

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