



Comet Chemical Company Ltd.
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Material Safety Data Sheet

BUTYL CELLOSOLVE

Revision Date: 2008/05/07

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Not available.

Product uses: Cleaner.
Solvent.
Coupling agent in lubricants.

Product name: Butyl Cellosolve

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
111-76-2	100	2-BUTOXY ETHANOL	20 PPM	470 MG/KG RAT ORAL 1167 MG/KG MOUSE ORAL 300 MG/KG RABBIT ORAL 220 MG/KG RABBIT DERMAL	450 PPM/4H RAT INHALATION 700 PPM/7H MOUSE INHALATION 3380 MG/M3/7H MOUSE INHALATION 2900 MG/M3/7H RAT INHALATION

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: (supplier).
CAS# 111-76-2: LD50 300 mg/kg rat oral.
CAS# 111-76-2: LD50 220 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: May cause eye damage.
May cause pain.
Severe irritation.
May cause inflammation.

Skin contact: Mild irritant.
May cause drying, defatting.

Skin absorption: Toxic by skin absorption.

Inhalation: Irritant.
May cause dizziness and nausea.
May cause coughing and chest pain.
May cause nasal discharge.

Ingestion: May cause kidney damage.
May cause drowsiness.
May cause acidosis.
May cause dizziness.
May cause burning sensation in mouth, throat and stomach.
May cause signs of intoxication.
May cause respiratory failure.

Effects of chronic exposure: May cause anemia.
May cause blood in urine.

Sensitization to product: No

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: Not available.

Teratogenicity: Effects have been reported in animals.

Mutagenicity: Effects have been reported in animals.

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, sparks and open flames.

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): 238°C

Flash point (°C), method: 67.8°C

**Lower flammability
limit (% vol):** 1.1%

**Upper flammability
limit (% vol):** 10.6%

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: 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.
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.
Viton gloves.
Saranex gloves.

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



NIOSH approved organic vapors.

Eye/Type:



Safety glasses with side-shields.



Splash proof chemical goggles.



Face shield if splashing occurs.

Footwear/Type:



Impervious boots.

Clothing/Type: Long sleeve shirt, long trousers.
When splashing is possible.



Apron
Impervious clothing.

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 hazardous ingredients section.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Appearance & odor: Clear
Mild pleasant odor.
Colorless.

Odor threshold (ppm): 0.1–0.5 ppm

Vapour pressure (mmHg): 0.76 @ 20°C
300 @ 140°C

Vapour density (air=1): 4.1

Volatiles (%)

By volume: Not available.

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

Boiling point (°C): 171°C

Freezing point (°C): –70°C

pH: Not available.

Specific gravity @ 20 °C: 0.902

Solubility in water (%): Complete.
(also soluble in many organic solvents).

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 alkalies.
Strong oxidizing agents.

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

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: 470 mg/kg rat oral.
300 mg/kg rabbit oral.
1200 mg/kg mouse oral.

LC50 of product, species & route: 450 ppm rat inhalation.
700 ppm mouse 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:

B3, D1A, D2B.



DSL status: Appears on DSL.

Section 16 : OTHER INFORMATION

Supplier MSDS date: 2008/05/07

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