Comet Chemical Company Ltd.
3463 Thomas Street Innisfil ,ON L9S 3W4
Tel: (705) 436−5580 Fax: (705) 436−7194

Material Safety Data Sheet

CELLOSOLVE SOLVENT

Revision Date: 2008/06/14

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Not available.

Product uses: Solvent for nitrocellulose lacquer, resins, inks, coatings.

Product name: Cellosolve 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
110−80−5	100	GLYCOL MONOETHYL ETHER (CELLOSOLVE)	5 PPM	2125 MG/KG RAT ORAL 2451 MG/KG MOUSE ORAL 3900 MG/KG RAT DERMAL 1275 MG/KG RABBIT ORAL 3600 MG/KG RABBIT DERMAL	2000 PPM/7H RAT INHALATION 1820 PPM/7H MOUSE INHALATION

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: (supplier).
CAS# 110−80−5: LD50 3300 mg/kg rabbit dermal.
CAS# 110−80−5: LC50 1800 ppm inhalation.
CAS# 110−80−5: LD50 1400 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: Mild irritant.

Skin contact: Mild irritant.
May cause drying.

Skin absorption: May be harmful if absorbed through the skin.

Inhalation: Irritant.
May cause loss of consciousness.
May cause dizziness and nausea.
May cause headaches and drowsiness.
May cause depression.

Ingestion: May cause weakness.
May cause dizziness.
May cause headache and drowsiness.
May cause signs of intoxication.

Effects of chronic exposure: May cause liver and kidney damage.
May cause bone marrow damage.
May cause injury to blood cells and testes.

Sensitization to product: No

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: Effects have been reported in animals.

Teratogenicity: Effects have been reported in animals.

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, 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): Lowest known value.
235°C

Flash point (°C), method: 43°C

Lower flammability limit (% vol): 1.7%

Upper flammability limit (% vol): 16%

Explosion Data

Sensitivity to static discharge: Not sensitive.

Sensitivity to mechanical impact: Not sensitive.

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

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.
Saranex gloves.
Responder 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.

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
Almost odourless.
Colorless.

Odor threshold (ppm): ~ 3 ppm

Vapour pressure (mmHg):	3.8 @ 20°C
Vapour density (air=1):	3.1
Volatiles (%)	
By volume:	Not available.
Evaporation rate (butyl acetate = 1):	Not available.
Boiling point (°C):	135°C
Freezing point (°C):	−70°C
pH:	Not available.
Specific gravity @ 20 °C:	0.931
Solubility in water (%):	Complete.
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 alkalies. Strong oxidizing agents.
Hazardous decomposition products:	See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route:	2125 mg/kg − rat oral. 1275 mg/kg rabbit oral. 2400 mg/kg mouse oral. 3300 mg/kg rabbit dermal. 3900 mg/kg rat dermal.
LC50 of product, species & route:	1820 ppm mouse inhalation. 2000 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: ETHYLENE GLYCOL MONOETHYL ETHER
UN1171
Class 3
PG III.

Special shipping information: See transportation information.

Section 15 : REGULATORY INFORMATION

WHMIS classification:

B3, D1B, D2A.

DSL status: Appears on DSL.

Section 16 : OTHER INFORMATION

Supplier MSDS date: 2008/06/14

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