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

CELLOSOLVE ACETATE

Revision Date: 2008/08/07

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Not available.

Product uses: Solvent for nitrocellulose lacquer.

Product name: Cellosolve 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
111−15−9	100	ETHYLENE GLYCOL MONOETHYL ETHER ACETATE	5 PPM (SKIN)	2700 MG/KG RAT ORAL 1950 MG/KG RABBIT ORAL 10,500 UL/KG RABBIT DERMAL	12,100 MG/M3/8 HOURS RAT INHALATION >2000 PPM/4 HOURS RABBIT INHALATION >1500 PPM/8 HOURS RAT INHALATION

Section 3 : HAZARD IDENTIFICATION

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

Effects of acute exposure

Eye contact: Irritant.
May cause damage.

Skin contact: Mild irritant.

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

Inhalation: Narcotic effects.
May cause breathing difficulty.

Ingestion: May cause vomiting.
May produce narcotic effects.
May cause cramps.

Effects of chronic exposure: May cause dermatitis.

Sensitization to product: No

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: May cause adverse reproductive effects in animals.

Teratogenicity: May cause teratogenic effects.

Mutagenicity: None known.

Synergistic materials: None known.

Section 4 : FIRST AID MEASURES

Skin contact: Remove contaminated clothing.
Wash thoroughly with soap and water.
Seek medical attention 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.
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.
Immediately drink plenty of water.

Section 5 : FIRE FIGHTING MEASURES

Flammability: Combustible.

Conditions of flammability: Vapours may travel to a source of ignition and flash back.
Heat, sparks and open flames.

Extinguishing media: Dry chemical.
Foam
Water fog.
Do not use water jet.

Special procedures: Firefighters should wear adequate protective gear.
Self−contained breathing apparatus required.
Use water spray to cool fire exposed containers.
This material may produce a floating fire hazard.

Auto−ignition temperature (°C): 380°C

Flash point (°C), method: Closed Cup.
47°C

Lower flammability limit (% vol): 1.7%

Upper flammability limit (% vol): 10%

Explosion Data

Sensitivity to static discharge: Take precautionary measures against static discharge.

Sensitivity to mechanical impact: Not sensitive.

Hazardous combustion products: Carbon monoxide (CO).
Oxides of nitrogen (NOx).
Smoke

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.
Prevent entry into drains, sewers, and other waterways.
Ventilate area.
Wear appropriate protective equipment.
Ground handling equipment.
Explosion proof motors are recommended.
Recover free liquid.
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.
Wash thoroughly after handling.
Use proper grounding procedures.
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.
Explosive peroxides may form on a partially filled container. If prolonged storage of a part drum is anticipated flush the head space with nitrogen before sealing.

Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary Measures

Gloves/Type:

Butyl rubber.
Barricade gloves.
Responder gloves.

Respiratory/Type: None required under normal use.
NIOSH approved respirator with organic vapor cartridge is required if ventilation is inadequate or exposure limits are exceeded.

Eye/Type:

Safety glasses with side−shields.

Or goggles.

Footwear/Type:

Impervious boots.
When splashing is possible.

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: Ventilate adequately.
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: Colourless.
Clear
Mild pleasant odor.

Odor threshold (ppm): 0.06

Vapour pressure (mmHg): 2.3mmHg/0.3kPa @ 20°C.

Vapour density (air=1): 4.7

Volatiles (%)

By volume: Not available.

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

Boiling point (°C): 156°C

Freezing point (°C): −62°C

pH: Not available.

Specific gravity @ 20 °C: 0.975

Solubility in water (%): 230 g/l @ 20°C

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: May react with air to form explosive peroxides.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: (estimated).
10,000 mg/kg rabbit dermal.
2700 mg/kg rat oral.
1900 mg/kg rabbit oral.

LC50 of product, species & route: Estimated.
2000 ppm rabbit inhalation.
2245 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 ACETATE
UN1172
Class 3
PG III.

Special shipping information: See transportation information.

Section 15 : REGULATORY INFORMATION

WHMIS classification:

B3, D2A.

DSL status: Appears on DSL.

Section 16 : OTHER INFORMATION

Supplier MSDS date: 2008/08/07