



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

Material Safety Data Sheet

ETHYL ACETATE

Revision Date: 2008/09/03

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Not available.

Product uses: Solvent; pharmaceutical mfg, synthetic flavours.

Product name: Ethyl 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
141-78-6	100	ETHYL ACETATE	400 PPM	5620 MG/KG RAT ORAL 4100 MG/KG MOUSE ORAL 4935 MG/KG RABBIT ORAL >20 ML/KG RABBIT DERMAL	200,000 MG/M3 RAT INHALATION 45,000 MG/M3/2H MOUSE INHALATION 1600 PPM/8H RAT INHALATION >6000 PPM/6H 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.

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

Skin absorption: Not considered toxic by skin absorption.
May be absorbed through the skin.

Inhalation: Intoxication.
May cause drowsiness.
Respiratory system irritation.
Headaches, dizziness.

Ingestion: May cause dizziness.
May cause headache and drowsiness.
May result in unconsciousness.
May cause signs of intoxication.

- Effects of chronic exposure:** May cause liver and kidney damage.
Prolonged or repeated overexposure may cause drying and cracking of the skin (dermatitis).
- Sensitization to product:** May cause sensitization.
- Carcinogenic effects:** Not listed as a carcinogen.
- Reproductive effects:** No effects reported.
- Teratogenicity:** Not available.
- Mutagenicity:** Not available.
- Synergistic materials:** Not available.

Section 4 : FIRST AID MEASURES

- Skin contact:** Remove contaminated clothing.
Wash with mild soap and water.
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.
Do not induce vomiting, keep person warm, quiet.
Guard against aspiration of liquids into lungs.
If vomiting occurs, keep head below hips.
If conscious, give several glasses of water.
Never give anything by mouth to an unconscious person.

Section 5 : FIRE FIGHTING MEASURES

- Flammability:** Flammable.
- Conditions of flammability:** 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.
- Auto-ignition temperature (°C):** 426°C
- Flash point (°C), method:** -4°C
- Lower flammability limit (% vol):** 2%
- Upper flammability limit (% vol):** 11%
- Explosion Data**
- Sensitivity to static discharge:** Take precautionary measures against static discharge.

Sensitivity to mechanical impact: Not sensitive.
Hazardous combustion products: Carbon monoxide (CO).
Smoke
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.
Soak up with inert absorbent.
Place in a closed container for disposal.
Do not flush to sewer.
Blanket spill with foam to protect against accidental ignition.

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.
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.
Do not ingest.

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: Barricade gloves.
Responder gloves.
Trelchem gloves.


Respiratory/Type:



NIOSH approved respirator, if necessary.
Not necessary, if adequate ventilation provided.

Eye/Type: 

Chemical safety 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: 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
Strong fruity odor.

Odor threshold (ppm): 6–50 ppm

Vapour pressure (mmHg): 73 @ 20°C

Vapour density (air=1): 3

Volatiles (%)

By volume: Not available.

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

Boiling point (°C): 77°C

Freezing point (°C): –84°C

pH: Not available.

Specific gravity @ 20 °C: 0.902

Solubility in water (%): Slight.
9% @ 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: Oleum
Strong acids and alkalis.
Chlorosulfonic acid.
Strong oxidizing agents.
Potassium t-butoxide.

Hazardous decomposition products: See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: 20,000 mg/kg rabbit dermal.
4100 mg/kg rat oral.

LC50 of product, species & route: 12,500 ppm 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: ETHYL ACETATE
UN1173
Class 3
PG II.

Special shipping information: See transportation information.

Section 15 : REGULATORY INFORMATION

WHMIS classification:

B2, D2B.



DSL status: Appears on DSL.

Section 16 : OTHER INFORMATION

Supplier MSDS date: 2008/09/03

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