



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

Material Safety Data Sheet

METHYL ALCOHOL

Revision Date: 2008/07/10

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Not available.

Product uses: Antifreeze.
Solvent, cleaner, reagent.

Product name: Methyl Alcohol

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
67-56-1	100	METHYL ALCOHOL	200 PPM (SKIN)	5600 MG/KG RAT ORAL 7300 MG/KG MOUSE ORAL 14,200 MG/KG RABBIT ORAL 15,800 MG/KG RABBIT DERMAL	81,000 MG/M3/14H RABBIT INHALATION 64,000 PPM/4H RAT INHALATION

Section 3 : HAZARD IDENTIFICATION

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

Effects of acute exposure

Eye contact: No permanent injury expected.
May cause irritation or burning.

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

Skin absorption: No adverse effects are expected with normal use.
May be absorbed through the skin.

Inhalation: Irritant.
Intoxication.
May cause drowsiness.
May cause blurred vision.
Headaches, dizziness.

Ingestion: May cause collapse.
May cause dizziness.
May cause headache and drowsiness.
May cause signs of intoxication.
May cause blurred vision.

Effects of chronic exposure: May cause liver and kidney damage.
May be fatal.
May cause blindness.
Prolonged or repeated overexposure may cause drying and cracking of the skin (dermatitis).
Effects may be delayed.
Persons with pre-existing diseases of the liver may be more susceptible to the toxicity of excessive exposure.

Sensitization to product: No

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: Reproductive effects reported in animals.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Hepatotoxic agents.

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.
Never give anything by mouth to an unconscious person.
Keep head lower than hips to prevent aspiration.
If conscious, give large amounts of water and induce vomiting.

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: 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): 465°C

Flash point (°C), method: 12°C

**Lower flammability
limit (% vol):** 7%

**Upper flammability
limit (% vol):** 36%

Explosion Data

Sensitivity to static discharge: Not sensitive.

Sensitivity to mechanical impact: Not sensitive.

Hazardous combustion products: Carbon monoxide (CO).
Smoke
Formaldehyde.
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.
Pump to containers or soak up on 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:



Neoprene or butyl rubber.

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



NIOSH approved organic vapors.

Eye/Type:



Safety glasses with side-shields.

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 for mixture, see the ingredients section.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Appearance & odor: Faint odour.
Clear
Sharp odour.
Colorless.

Odor threshold (ppm): 50–100 ppm

Vapour pressure (mmHg): 92 mmHg @ 20°C

Vapour density (air=1): (similar to air – vapour may rise or fall).
1.1

Volatiles (%)

By volume: Not available.

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

Boiling point (°C): 64.6°C

Freezing point (°C): < -98°C

pH: Not available.

Specific gravity @ 20 °C: 0.7925 (20°C)

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: None known.

Hazardous polymerization: Will not occur.

Incompatible substances: Strong oxidizing agents.

Hazardous decomposition products: See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: 5600 mg/kg rat oral.
16,000 mg/kg rabbit dermal.

LC50 of product, species & route: 64000 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: METHANOL
UN1230
Class 3(6.1)
PG II.



Special shipping information: See transportation information.

Section 15 : REGULATORY INFORMATION

WHMIS classification:

B2, D1B, D2B.



DSL status: Appears on DSL.

Section 16 : OTHER INFORMATION

Supplier MSDS date: 2008/07/10

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