



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

Material Safety Data Sheet

ISOPROPYL ALCOHOL

Revision Date: 2008/06/30

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Mixture.

Product uses: Disinfectant.
Solvent, cleaner, reagent.

Product name: Isoproyl 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
67-63-0	100	2-PROPANOL	200 PPM	5000 MG/KG RAT ORAL 3600 MG/KG MOUSE ORAL 6410 MG/KG RABBIT ORAL 12,800 MG/KG RABBIT DERMAL	53,000 MG/M3 MOUSE INHALATION 72,600 MG/M3 RAT INHALATION 16,000 PPM/8H RAT INHALATION

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.
Severe irritant.

Skin contact: May cause drying and irritation.

Skin absorption: No adverse effects are expected with normal use.

Inhalation: Irritant.
Intoxication.
May cause drowsiness.
Headaches, dizziness.
May cause respiratory depression.

Ingestion: May cause collapse.
May cause dizziness.
May cause headache and drowsiness.
May cause signs of intoxication.
May cause respiratory depression.

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: No

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: Effects have been reported in animals.

Teratogenicity: Not available.

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.
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.
Keep at rest.
If conscious, give large amounts of water.

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): 399°C

Flash point (°C), method: 13°C

Lower flammability limit (% vol): 2%

Upper flammability limit (% vol): 12.7%

Explosion Data

Sensitivity to static discharge: Not sensitive.

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.
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:



Butyl or nitrile rubber gloves.

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: See hazardous ingredients section.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Appearance & odor: Colourless.
Clear
Strong odour.
Alcoholic odour.

Odor threshold (ppm): 3–60 ppm

Vapour pressure (mmHg): 33 @ 20°C

Vapour density (air=1): 2.1

Volatiles (%)

By volume: Not available.

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

Boiling point (°C): 82°C

Freezing point (°C): –89°C

pH: Not available.

Specific gravity @ 20 °C: 0.786

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 oxidizing agents.
Hazardous decomposition products: See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: 12,800 mg/kg rabbit dermal.
3600 mg/kg mouse oral.
LC50 of product, species & route: 17,000 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: ISOPROPANOL
UN1219
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: 2008/06/30

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