



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

Material Safety Data Sheet

ISOBUTYL ACETATE

Revision Date: 2008/09/04

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Isobutyl Acetate.

Product uses: Paint & lacquer solvent; perfumery, flavouring.

Product name: Isobutyl 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 |
|----------|-----------------|------------------|---------|---|---------------|
| 110-19-0 | 100 | ISOBUTYL ACETATE | 150 PPM | 13,400 MG/KG RAT ORAL 4763 MG/KG RABBIT ORAL >17,400 MG/KG RABBIT DERMAL | NOT AVAILABLE |

Section 3 : HAZARD IDENTIFICATION

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

Effects of acute exposure

Eye contact: Vapour and liquid are irritating.
No permanent injury expected.
Effects may persist for days.

Skin contact: Mild irritant.

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

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

Ingestion: May cause dizziness.
May cause headache and drowsiness.
May result in unconsciousness.
Aspiration hazard if swallowed.
May cause signs of intoxication.

Effects of chronic exposure: No hazard known.

Sensitization to product: May be a mild sensitiser.

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.
Drink several glasses of water to dilute.

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.
This products floats on water which creates a fire hazard.

Auto-ignition temperature (°C): 421°C

Flash point (°C), method: Closed Cup.
17°C

Lower flammability limit (% vol): 1.3%

Upper flammability limit (% vol): 10.5%

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.
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: 

Polyvinyl alcohol gloves.
4H gloves (chemical resistant).
Do not use PVC gloves.


Respiratory/Type: Not necessary, if adequate ventilation provided.
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: 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: Colourless.
Clear
Pleasant, fruity odor.

Odor threshold (ppm): 1.1

Vapour pressure (mmHg): 13 mmHg / 1.7 kPa @ 20°C

Vapour density (air=1): 4

Volatiles (%)

By volume: Not available.

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

Boiling point (°C): 117

Freezing point (°C): -99°C

pH: Not available.

Specific gravity @ 20 °C: 0.873 (20°C)

Solubility in water (%): (soluble in alcohols).
(soluble in ketones).
(soluble in hydrocarbons).
7 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 alkalis.
Strong oxidizing agents.

Hazardous decomposition products: See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: 4750 mg/kg rabbit oral.
13,400 mg/kg rat oral.
17,400 mg/kg rabbit dermal.

LC50 of product, species & route: > 8000 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: ISOBUTYL ACETATE
UN1213
CLASS 3
PG II.

Special shipping information: See transportation information.

Section 15 : REGULATORY INFORMATION

WHMIS classification:

B2



DSL status: Appears on DSL.

Section 16 : OTHER INFORMATION

Supplier MSDS date: 2008/09/04

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