



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

Material Safety Data Sheet

N-BUTYL ALCOHOL

Revision Date: 2008/09/04

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Mixture.

Product uses: Solvent in ink, paint, rubber, varnish, lacquer, etc.

Product name: n-Butyl 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
71-36-3	100	N-BUTYL ALCOHOL	20 PPM CL (SKIN)	790 MG/KG RAT ORAL 100 MG/KG MOUSE ORAL 3400 MG/KG RABBIT ORAL 3400 MG/KG RABBIT DERMAL	8000 PPM/4H RAT INHALATION 24000 MG/M3/4H RAT INHALATION

Section 3 : HAZARD IDENTIFICATION

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

Effects of acute exposure

Eye contact: May cause eye damage.
Severe irritant.

Skin contact: May cause drying, defatting.
May cause irritation.
May cause redness and itching.

Skin absorption: May be absorbed in toxic amounts.

Inhalation: May cause coughing.
Severe irritant.
Intoxication.
May cause drowsiness.
May cause headache and dizziness.
May cause intoxication.
May cause chest pains.
May cause nasal discharge.

Ingestion: May cause vomiting and diarrhea.
May cause nausea.
May cause dizziness.
May cause headache and drowsiness.
May cause abdominal pain.
Aspiration hazard if swallowed.

Effects of chronic exposure: Pre-existing respiratory diseases may be aggravated by exposure.
May aggravate an existing dermatitis.
May cause hearing loss.
Prolonged or repeated overexposure may cause drying and cracking of the skin (dermatitis).
May aggravate asthma.

Sensitization to product: No

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: None known.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: May increase dermatitis effects.

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.
Give large quantities of water to drink.
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.

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 direct 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): 343°C

Flash point (°C), method: 37°C

Lower flammability limit (% vol): 1.4%

Upper flammability limit (% vol): 11.2%

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.
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 non-sparking tools.
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.

Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary Measures

Gloves/Type:



Butyl rubber.
Viton gloves.
Barricade gloves.
Responder 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:



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: Not available for mixture, see the ingredients section.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Appearance & odor: Clear
Choking odour.
Colorless.

Odor threshold (ppm): 11–15 ppm

Vapour pressure (mmHg): 4 mmHg / 0.59 kPa (20°C)

Vapour density (air=1): 2.6

Volatiles (%)

By volume: Not available.

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

Boiling point (°C): 118

Freezing point (°C): -89°C

pH: Not available.

Specific gravity @ 20 °C: 0.811

Solubility in water (%): 7.5% (25°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 mineral acids.
Strong oxidizing agents.

Hazardous decomposition products: See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: 790 mg/kg rat oral.
2680 mg/kg mouse oral.
3500 mg/kg rabbit oral.

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: BUTANOLS
UN1120
Class 3
PG III.



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: 2008/09/04

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