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

Material Safety Data Sheet

DIACETONE ALCOHOL

Revision Date: 2008/05/14

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Mixture.

Product uses: Solvent for cellulose, waxes, resins, coatings; brake fluid.

Product name: Diacetone 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
123−42−2	100	DIACETONE ALCOHOL	50 PPM	2520 MG/KG RAT ORAL 3000 MG/KG MOUSE ORAL 13,500 MG/KG RABBIT DERMAL	NOT AVAILABLE

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: (supplier).
CAS# 123−42−2: LC50 > 1500 ppm 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 defatting.
May cause drying and irritation.

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

Inhalation: Irritant.
May cause headache and dizziness.
May cause narcosis.

Ingestion: May cause nausea and diarrhea.
May cause stomach ache.
May cause headache and drowsiness.
May cause narcosis.

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: Not available.

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.
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: Combustible.

Conditions of flammability: Heat, sparks and open flames.

Extinguishing media: Dry chemical.
Foam
Water fog.
Water spray.
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.
This material may produce a floating fire hazard.

Auto−ignition temperature (°C):	603°C
Flash point (°C), method:	Closed Cup. 58°C
Lower flammability limit (% vol):	1.8%
Upper flammability limit (% vol):	6.9%

Explosion Data

Sensitivity to static discharge:	Not sensitive.
Sensitivity to mechanical impact:	Not sensitive.
Hazardous combustion products:	Carbon monoxide (CO). Nitrogen oxides (NOx). Acrid smoke. Acetone.
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 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:

Neoprene gloves.
Butyl gloves.

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

NIOSH approved organic vapors.

Eye/Type:

Safety glasses with side−shields.

Splash proof chemical goggles.

Footwear/Type: Butyl rubber boots.

Clothing/Type: Long sleeve shirt, long trousers.
When splashing is possible.
Neoprene or butyl.

Apron

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: Clear
Colorless.
Mild, minty−dusty odor.

Odor threshold (ppm): < 1 ppm

Vapour pressure (mmHg): 1.1 @ 20°C

Vapour density (air=1): 4

Volatiles (%)

By volume: Not available.

Evaporation rate (butyl acetate = 1):	Not available.
Boiling point (°C):	160−172°C
Freezing point (°C):	−44°C
pH:	Not available.
Specific gravity @ 20 °C:	0.940 (20/20°C)
Solubility in water (%):	Complete. (also soluble in alcohols). (soluble in ethers). (soluble in ketones).
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 alkalies. Nitric acid. Strong oxidizing agents.
Hazardous decomposition products:	See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route:	4000 mg/kg − rat oral. 4000 mg/kg mouse oral. 4600 mg/kg rabbit oral. 13,500 mg/kg rabbit dermal.
LC50 of product, species & route:	> 1500 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:

DIACETONE ALCOHOL
UN1148
Class 3
PG III.

Special shipping information: See transportation information.

Section 15 : REGULATORY INFORMATION

WHMIS classification:

B3, D2B.

DSL status: Appears on DSL.

Section 16 : OTHER INFORMATION

Supplier MSDS date: 2008/05/14

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