



Comet Chemical Company Ltd.
3463 Thomas Street Innisfil ,ON L9S 3W4
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Material Safety Data Sheet

DIBASIC ESTER

Revision Date: 2008/05/14

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Mixture.

Product uses: Solvent.
Paint stripper.
Substitute for solvent.

Product name: Dibasic Ester

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
106-65-0	15-25	DIMETHYL SUCCINATE	NOT AVAILABLE	>5000 MG/KG RAT ORAL >5000 MG/KG RABBIT DERMAL	NOT AVAILABLE
1119-40-0	55-65	PENTANEDIOIC ACID, DIMETHYL ESTER	NOT AVAILABLE	6400 MG/KG RAT ORAL 8900 MG/KG MOUSE ORAL	NOT AVAILABLE
627-93-0	10-25	DIMETHYL ADIPATE	NOT AVAILABLE	NOT AVAILABLE	NOT AVAILABLE

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: (supplier).
CAS# 84-71-2: LD50 5300 mg/kg rat oral.
CAS# 84-74-2: LD50 20,000 mg/kg rabbit dermal.
CAS# 84-74-2: LC50 1550 ppm 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 discomfort.
May cause redness.
Irritant.
No permanent injury expected.
May cause blurred vision.

Skin contact: May cause discomfort.
May cause rash.
Irritation.

Skin absorption: May be absorbed through the skin.
May cause blurred vision.

Inhalation: Irritant.
May cause coughing and chest discomfort.
May cause blurred vision.

Ingestion: Irritant.

Effects of chronic exposure: Pre-existing eye disorders may be aggravated by exposure to this product.

Sensitization to product: Not available.

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.
Drink milk.

Section 5 : FIRE FIGHTING MEASURES

Flammability: Not flammable.

Conditions of flammability: At temperatures at or above flash point.

Extinguishing media: Dry chemical.
Foam
Water fog.

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): 370°C

Flash point (°C), method: 100°C

Lower flammability limit (% vol): 0.9%

Upper flammability limit (% vol): 8%

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: Absorb with inert material.
Dike area to prevent spreading.
Ventilate area.
Wear appropriate protective equipment.
Place in a closed container for disposal.
Shovel into closeable containers.
Explosion proof motors are recommended.
Recover free liquid with pumps.
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.
Launder contaminated clothing prior to reuse.
Do not ingest.
Keep away from incompatible materials.

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.

Respiratory/Type: None required under normal use.
If TLV is exceeded.
NIOSH approved respirator with organic vapor cartridge.

Eye/Type: 

Safety glasses with side-shields.



Chemical safety goggles.

Footwear/Type: Butyl rubber boots.

Clothing/Type: Long sleeve shirt, long trousers.
When splashing is possible.
Butyl rubber apron.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: To maintain exposure 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.
Sweet odour.
Clear
Musty odor.

Odor threshold (ppm): 0.1 ppm

Vapour pressure (mmHg): 0.2 @ 20°C

Vapour density (air=1): Heavier than air.

Volatiles (%)

By volume: Not available.

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

Boiling point (°C): 196–225°C

Freezing point (°C): –20°C

pH: Not available.

Specific gravity @ 20 °C: 1.092

Solubility in water (%): 5.3% (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 acids and alkalis.
Strong oxidizing agents.

Hazardous decomposition products: See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: 8200 mg/kg rat oral.
2250 mg/kg rabbit dermal.

LC50 of product, species & route: 110 g/m³ 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: Not regulated.

Special shipping information: See transportation information.

Section 15 : REGULATORY INFORMATION

WHMIS classification:

D2B



DSL status: Appears on DSL.

Section 16 : OTHER INFORMATION

Supplier MSDS date: 2008/05/14

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