



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

HEXYLENE GLYCOL

Revision Date: 2008/06/14

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Not available.

Product uses: Hydraulic break fluid, printing ink, fuel & lube additive.

Product name: Hexylene Glycol

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
107-41-5	100	HEXYLENE GLYCOL	25 PPM (CL)	3700 MG/KG RAT ORAL 3097 MG/KG MOUSE ORAL 3200 MG/KG RABBIT ORAL 8560 UL/KG RABBIT DERMAL	>310 MG/M3/1H RAT INHALATION

Section 2A: ADDITIONAL INGREDIENT INFORMATION

Note: (supplier).
CAS# 107-41-5: LD50 2800 mg/kg rat oral.
CAS# 107-41-5: LD50 8500 mg/kg rabbit dermal.

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: Mild irritation.

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

Inhalation: May cause dizziness.
May cause headache and nausea.
May cause irritation.

Ingestion: Low oral toxicity.

Effects of chronic exposure: May cause dermatitis.

Sensitization to product: No

Carcinogenic effects: Not listed as a carcinogen.

Reproductive effects: No effects reported.

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.
If conscious, give several glasses of water.
Never give anything by mouth to an unconscious person.
Keep at rest.

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.
Do not use water jet.
Solid streams of water are likely to spread fire.

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): (also said to ignite at 425°C).
300°C

Flash point (°C), method: 98°C

**Lower flammability
limit (% vol):** 1.3%

Upper flammability limit (% vol): 7.4%

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).
Partially oxidized hydrocarbons.

Rate of burning: Not available.

Explosive power: Not available.

Section 6 : ACCIDENTAL RELEASE MEASURES

Leak/Spill: Dike area to prevent spreading.
Ventilate area.
Wear appropriate protective equipment.
Soak up with inert absorbent.
Place in a closed container for disposal.
Recover free liquid with pumps.
Do not flush to sewer.

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.
Do not reuse empty containers without commercial cleaning.
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 incompatible materials.
Store in a cool, dry and well ventilated area.

Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary Measures

Gloves/Type:



Neoprene gloves.

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

Eye/Type: 

Safety glasses with side-shields.

Footwear/Type: Safety shoes per local regulations.

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



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: Odourless.
Colourless.
Clear
Somewhat viscous.

Odor threshold (ppm): Not applicable.

Vapour pressure (mmHg): 0.05 mmHg or 0.0066 kPa @ 20°C

Vapour density (air=1): 4.1

Volatiles (%)

By volume: Not available.

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

Boiling point (°C): 198°C

Freezing point (°C): -50°C

pH: Not available.

Specific gravity @ 20 °C: 0.923

Solubility in water (%): Complete.
(also soluble in hydrocarbons, alcohols, ketones, ethers, fatty acids).

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.
Strong oxidizing agents.

Hazardous decomposition products: See hazardous combustion products.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: 8500 mg/kg rabbit dermal.
3100 mg/kg mouse oral.
3100 mg/kg rabbit oral.
3700 mg/kg rat oral.

LC50 of product, species & route: 75 ppm/310 mg/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: 2008/06/14

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