

1. PRODUCT NAME: Hexylene Glycol
2. CHEMICAL NAME:
3. SYNONYMS:
4. CAS NUMBER: 110-54-3
5. COMPOSITION: Hexylene Glycol(110-54-3)
100%

**IN CASE OF
TRANSPORT EMERGENCY
CONTACT CHEMTREC
USA: 1-800-424-9300
INTERNATIONAL: 1-703-527-3887**

6. PROPERTIES: ODOR & APPEARANCE: clear, colorless, hygroscopic, somewhat viscous liquid
ODOR THRESHOLD: odorless
VAPOUR PRESSURE: 0.05mmHg/0.0066kPa (20 c)
EVAPORATION RATE (butyl Acetate=1): 0.003
VAPOR DENSITY (air=1): 4.1
BOILING RANGE: 198 c
FREEZING POINT: -50 c
SPECIFIC GRAVITY: 0.923 (20/20 c)
WATER SOLUBILITY: complete
IN OTHER SOLVENTS: most hydrocarbons, alcohols, ketones, ethers, fatty acids
VISCOSITY: 34 centipoise (20 c)
PH: none – does not form hydrogen ions in water solution

7. HAZARDS: MATERIAL USE: hydraulic brake fluid, printing ink, fuel and lubricant additive

8. FIRE FIGHTING INFORMATION: FLASH POINT: 98 c (closed cup)
AUTOIGNITION TEMPERATURE: 425 c
FLAMMABLE LIMITS: 1.3% - 7.4%
COMBUSTION PRODUCTS: carbon monoxide, nitrogen oxides, smoke, part oxidized hydrocarbon fragments
FIREFIGHTING PRECAUTIONS: foam, dry chemical, water fog, water spray only to cool & dilute, product floats on water – water jet spreads flames; firefighters must wear SCBA
STATIC DISCHARGE: will not accumulate a static charge
MECHANICAL IMPACT: not sensitive
CHEMICAL STABILITY: stable; will not polymerize
REACTIVE WITH: strong oxidizing agents; strong acids cause decomposition
DECOMPOSITION PRODUCTS: apart from Hazardous Combustion Products, toxic fumes on strong heating

9. PERSONAL PROTECTION MEASURES: HANDS: nitrile or neoprene gloves – other protective materials may be suitable; check with supplier
EYES: safety glasses with side shields
RESPIRATOR: not required if ventilation is adequate, or use organic vapor cartridge
CLOTHING: impermeable (hands, above) apron, boots, long sleeves, if splashing is anticipated

10. FIRST AID PROCEDURES: SKIN: Wash with soap and plenty of water. Remove contaminated clothing and do not reuse until thoroughly cleaned or laundered.
EYES: Wash eyes with plenty of water, holding eyelids open. Seek medical assistance promptly if there is irritation.
INHALATION: Remove from contaminated area promptly. CAUTION: Rescuer must not endanger himself! If breathing stops, administer artificial respiration and seek medical aid promptly.



Carolina International Sales Co., Inc

MATERIAL SAFETY DATA SHEET

2522 Plantation Center Drive
Matthews, NC 28105
(704) 845 9440

www.ciscochem.com

INGESTION: Give plenty of water to dilute product. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent inhalation of vomited material. Seek medical help promptly.

NOTE: Inadvertent inhalation of vomited material may seriously damage the lungs. The risk and danger of this is greater than the risk of poisoning through absorption of this relatively low-toxicity product. The stomach should only be emptied under medical supervision, after the installation of an airway to protect the lungs.

11. EXPOSURE TWAEV ppm: 25
LIMITS: LD50 ORAL: 2800
SKIN (mg/kg): 8600
LC50ppm INHALATION: 310*

12. TOXICOLOGICAL EFFECTS ACUTE EXPOSURE

INFORMATION: SKIN CONTACT: mild irritant

SKIN ABSORPTION: slight; toxic effects unlikely by this route

EYE CONTACT: vapor may irritate at 100ppm or higher

INHALATION: irritating at 100ppm; severely irritating at 1000ppm; headache, dizziness, nausea at high vapor concentrations

INGESTION: not known – low oral toxicity

EFFECTS OF CHRONIC EXPOSURE

GENERAL: prolonged contact may cause dermatitis; application to broken skin may be toxic

SENSITISING: 4% of 230 people working with this product proved to be sensitized to it

REPRODUCTIVE EFFECT: no known effects on humans

SYNERGISTIC WITH: not known

ESTIMATED LD50: 3100mg/kg (oral, mouse & rabbit), 3700mg/kg (oral, rat), 2800mg/kg (oral guinea pig); 8560mg/kg (skin, rabbit)

ESTIMATED LC50: 75ppm/310mg/m³ (inhalation, rat)*

Other observations have shown that 18,000ppm for 8 hours and to 3300ppm for 7hr/day x 9 days caused no toxic effects.

13. ECOLOGICAL INFORMATION: This product cannot accumulate in living tissue, this product is readily and rapidly biodegradable in the presence of oxygen.

14. DISPOSAL CONSIDERATIONS: DO NOT FLUSH TO SEWER; may be incinerated in approved facility.

15. CARCINOGENIC PROPERTIES & NOTIFICATIONS: Not a tumorigen, not a carcinogen.

16. TRANSPORT USA 49 CFR

INFORMATION: Product identification number: UN – not regulated for transportation

Shipping name: not regulated for transportation

Classification: not regulated for transportation

Label: no safety mark required

Class: D 2B

17. HANDLING & STORAGE: Store and use a cool dry environment, away from sources of ignition, heat and oxidizing agents and strong acids. Do not cut, drill, weld or grind on or near this container. Avoid prolonged contact with skin and wash work clothes frequently. An eye bath and safety shower should be available near the workplace.



MATERIAL SAFETY DATA SHEET

2522 Plantation Center Drive
Matthews, NC 28105
(704) 845 9440

www.ciscochem.com

18. ACCIDENTAL LEAK PRECAUTION: dyke to control spillage and prevent environmental contamination.

RELEASE HANDLING SPILL: ventilate contaminated area; recover free liquid with suitable pumps; absorb residue

MEASURES: of inert sorbent, pick up using shovels, & store in closed containers for disposal.