

COGHLAN'S GHS Safety Data Sheet

Section 1. Identification

Product Name: #0450 Camp Heat

Synonyms: Wik Chafing Dish Fuel

CAS Number: 111-46-6

Product Use: *A metal can, cap & innerseal with a fiberglass wick using the Chemical Diethylene Glycol as a fuel source.*

Manufacturer/Supplier: Coghlan's Ltd.

Address: 121 Irene St.
Winnipeg, MB CANADA
R3T 4C7

PHONE NUMBERS: (407) 886-6079 (407) 765-2629

PRODUCT CODES: W224 W424 W624

PRODUCT DESCRIPTION: A metal can, cap & innerseal with a fiberglass wick using the Chemical Diethylene Glycol as a fuel source. Minimum fuel per can 2 fluid ounces. Maximum fuel per can 10 fluid ounces.

CAN, CAP, INNERSEAL AND FIBERGLASS WICK ARE INERT INGREDIENTS. THE BALANCE OF THIS MATERIAL SAFETY DATA SHEET ONLY PERTAINS TO THE CHEMICAL INGREDIENT, DIETHYLENE GLYCOL.

CHEMICAL FAMILY: Glycol

CHEMICAL NAME: Diethylene Glycol (Synonyms: DEG, 2,2' Dihydroxyethyl Ether, Ethanol, 2,2' oxybis; Diglycol; Ethylene Diglycol)

NFPA CODES (0=None, 4=Extreme): Flammability: 1 Reactivity: 0 4=Extreme
Health Toxicity: 1

EMERGENCY NUMBERS: Poison Control Center 1.800.222.122

Section 2. Hazards Identification

Exposure Limits: None established

Effects of Exposure: See below

Inhalation: Short term harmful health effects are not expected from vapor generated at ambient temperature. Vapor or mist from exposed heated material may cause nausea and headache.

Ingestion: Moderately high toxicity. May cause pain or discomfort in the abdomen, pain in the lumbar region, nausea, vomiting, diarrhea, dizziness, drowsiness, decreased urine production, malaise, and loss of consciousness. Severe kidney damage may occur which can be fatal. Liver Injury may also occur.

Skin and Eye Contact: No evidence of harmful effects from available information to skin.

Section 2. Hazards Identification (continued)

Product could cause mild discomfort to eyes. Excess redness of the conjunctiva may occur.

Chronic Effects: Repeated overexposure to vapor or mist may cause headache, nausea and dizziness.

Medical Conditions Aggravated by Exposure: Knowledge of available toxicology information and of the physical and chemical properties of the material suggest that overexposure is unlikely to aggravate existing medical condition.

Section 3. Composition/Information on Ingredients

OSHA REGULATED COMPONENTS (present at a concentration $\geq 1\%$):

Component	CAS Number	Weight %
Diethylene Glycol	111-46-6	99-100

Section 4. First Aid Measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.

Eye Contact: Flush eye with large amount of water for at least 15 minutes while holding eyelid open. Get medical attention immediately.

Skin Contact: Remove contaminated clothing and wash affected skin area with soap and water. Do not use contaminated clothing until thoroughly washed with soap and water.

Ingestion: Do not induce vomiting. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point: 280° F TCC

Auto Ignition Point: 444° F

Flammable Limits In Air: Lower: 2.0% - Upper 12.3%

Extinguishing Media: Use water fog, water, dry chemical, carbon dioxide

Special Fire Fighting Procedures: Material will not burn unless preheated. Do not enter a confined tire space where cases of this product are stored without full bunker gear, including a positive pressure self-contained breathing apparatus (SCBA). Cool fire exposed containers with water.

Section 6. Accidental Release Measures

May burn, although not readily ignitable. For small spills or leaks, take up with an absorbent material and dispose of properly. Soak up residue with soap and water to remove trace residue.

Section 7. Handling and Storage

Store unused cases in a cool dry area. Contents are not under pressure. Avoid contact with the liquid in the can. Wash areas of contact with the liquid with soap and water.

Section 8. Exposure Controls / Personal Protection

Exposure Guidelines: WEEL 8-hr TWA 10mg/m³

Respiratory Protection: None expected to be needed at normal room temperatures.

Eye Protection: None expected to be needed when handled according to directions on the can.

Skin Protection: Wash areas of contact with the liquid with soap and water.

Section 9. Physical and Chemical Properties

Boiling Point: 472.9F @ 760 mm Hg

Vapor Pressure: 0.002 mm Hg @ 20 C

Vapor Density: 3.65 Air = 1

Solubility in water: Soluble

Appearance: Clear Colorless Liquid

Odor Odorless: to slightly sweet.

Specific Gravity: 1.12 @ 60° F Water = 1

Evaporation: <0.001 Butyl acetate = 1

Freezing Point: 20.3 F

pH: 6-9

Section 10. Stability and Reactivity

Stability: Stable

Conditions To Avoid: Excess heat and flame around filled cases or sealed cans.

Incompatibility: Explosive decomposition may occur if combined with strong acids or strong bases and subjected to elevated temperatures. Also avoid contamination with strong oxidizing agents.

Polymerization: Will not occur

Hazardous Combustion and Or decomposition Products: Carbon Monoxide and/or Carbon Dioxide may form during combustion.

Section 11. Toxicological Information

Acute oral toxicity

Diethylene Glycol LD 50 Rat: 12,565 mg/kg

Acute inhalation toxicity

Diethylene Glycol LC Lo Mouse: 130 mg/m³ , 2 h

Acute dermal toxicity

Diethylene Glycol LD 50 Rabbit: 13,300 mg/kg

Section 12. Ecological information

Aquatic toxicity

Acute and Prolonged Toxicity to Fish

96 h LC 50 Western mosquitofish (*Gambusia affinis*), : > 32,000 mg/l Mortality

Acute Toxicity to Aquatic Invertebrates

24 h LC 50 Water flea (*Daphnia magna*), : > 10,000 mg/l

Mortality 24 h LC 50 Water Flea (*Daphnia magna*), : > 10,000 mg/l

Section 13. Disposal Considerations

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs including disposal, recycling, and waste stream considerations, contact NEXEO's Environmental Services Group at 800-637-7922.

Section 14. Transport Information

Shipping Name: Diethylene Glycol

Hazard Class: Non-hazardous Liquid

UN Number: N/A

Proper Shipping Name: Not Regulated

Hazard Label: N/A

Section 15. Regulatory Information

Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).
This product contains no chemicals subject to the reporting requirements of CERCLA.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III

This product contains no chemicals subject to the reporting requirements of SARA Title III,
Section 311, 312

Section 15. Regulatory Information (continued)

Subpart Z, OSHA

This product contains no chemicals that are on the list of chemicals that have substance-specific requirements.

This product is considered hazardous under the OSHA Hazardous Communication Standard (29 CFR 1910. 1200)

Pennsylvania (Worker and Community Right-To-Know Act): Pennsylvania Hazardous Substances List And/Or Pennsylvania Environmental Hazardous Substance List: The Following Product Components Are Cited In The Pennsylvania Hazardous Substance List And/Or The Pennsylvania Environmental Substance List, And Are Present At Levels Which Require Reporting.

Component	CAS Number	Amount
Diethylene Glycol	111-46-6	> 99.0 %

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act Of 1986)

Warning: This Product Contains A Chemical (S) Known To The State Of California To Cause Cancer.

Component	CAS Number	Amount
1, 4 Dioxane	123-91-1	<=0.5 PPM

California Proposition 65 (Safe Drinking Water And Toxic Enforcement Act Of 1986)

Warning: This Product Contains A Chemical (S) Known To The State Of California To Cause Birth Defects Or Other Reproductive Harm.

Component	CAS Number	Amount
Ethylene Glycol Monomethyl Ether	109-86-4	<=0.5 PPM

CEPA-Domestic Substance List (DSL)

All substances contained in this product are listed on the Canadian Domestic Substances List or are not required to be listed.

Section 16. Other information

This product is to be used as specified on the box and can only. Keep out of the reach of children. Do not take internally. Never leave an open flame unattended.

Disclaimer: The information contained herein is accurate to the best of our knowledge. My Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.