



MATERIAL SAFETY DATA SHEET

Cal-Blue

I - PRODUCT IDENTIFICATION

Company Name: Nu-Calgon Wholesaler, Inc.
Address: 2008 Altom Court, St. Louis, MO 63146-4151
Product Name: Cal-Blue
Synonyms: Bubble-forming Liquid

Tel No: (314) 469-7000, (800) 554-5499
CHEMTREC: (800) 424-9300
Product Number: 4182

II - HAZARDOUS INGREDIENTS OF MIXTURES

<u>MATERIAL</u>	<u>CAS#</u>	<u>% By Wt</u>	<u>TLV</u>	<u>PEL</u>
# Ethylene glycol (ORAL LD50 8.5mg/kg rat)	107-21-1	<40	50ppm ceiling (vapor)	NE

Ingredient subject to reporting under Section 313 of Title III (SARA) and 40 CFR 372.

VOC Content: none

All ingredients are TSCA listed.

III - PHYSICAL DATA

Vapor Pressure: Unknown	Vapor Density (Air=1) 60-90° F: Unknown
Evaporation Rate: Unknown	VOC Content (% by wt.): Approx 85
Solubility in H₂O: Complete	pH @ Solution: N/A
Freezing Point °F: 5 °F	pH as Distributed: 7.3-7.6
Boiling Point °F: >212 ° F	Appearance: Clear blue liquid
Specific Gravity H₂O=1 @25° C: 1.085	Odor: Mild Chemical odor

IV - FIRE AND EXPLOSION

Flash Point F: None to boiling **Flammable Limits:** Unknown
Extinguishing Media: Product is not combustible. In case of fire use CO₂, foam or dry chemical.
Special Fire Fighting Procedures: Exercise caution when fighting any chemical dry fire. Respiratory protection is essential.
Unusual Fire and Explosion Hazards: None known

V - REACTIVITY DATA

Stability - Conditions to avoid: Heat and open flame
Incompatibility: Can react violently with strong oxidizers, dehydrating agents such as sulfuric acid, acetic anhydride.
Hazardous Decomposition Products: Carbon monoxide.
Conditions Contributing to Hazardous Polymerizations: None known

VI - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE (Medical Conditions Aggravated/Target Organ Effects),
A. ACUTE (Primary Route of Exposure) EYES: May cause eye irritation. (Primary Route of Exposure)
SKIN: Essentially non-irritating. **INGESTION:** Harmful if swallowed. May cause nausea, dizziness, central nervous system damage, kidney disorders. **INHALATION:** Prolonged or repeated breathing of vapors may cause headache, nausea, dizziness.
B. SUBCHRONIC, CHRONIC, OTHER: Repeated or prolonged inhalation of vapors may cause nervous system damage. Repeated contact with skin may cause sensitization in some individuals. Ethylene glycol has caused birth defects in laboratory animals.
C. MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Preexisting kidney disorders, lung disorders

VII - EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove to fresh air

EYES: Flush with plenty of water for at least 15 minutes. If irritation persists, call a physician.

SKIN: Wash area with soap and plenty of water.

INGESTION: If swallowed, call a physician immediately. Give one or two glasses of water and induce vomiting by sticking finger down throat. Never give anything by mouth or attempt to induce vomiting in an unconscious person.

VIII - SPILL OR LEAK PROCEDURE

Spill Management: Flush spill with water or wipe up and incinerate.

Waste Disposal Methods: Incinerate or flush to drain served by sanitary sewer in accordance with federal, state and local regulations.

IX - PROTECTION INFORMATION/CONTROL MEASURES

Respiratory: Not normally required

Eye Protection: Avoid eye contact **Glove:** None required

Other Clothing and Equipment: None required

Ventilation: Vapors are minimal at room temperatures. Normal room ventilation should be sufficient.

X - SPECIAL PRECAUTIONS

Precautions to be taken in Handling and Storing : Avoid contact with eyes, skin and clothing. Avoid breathing mists or vapors. Wash thoroughly after handling.

Additional Information: Keep out of reach of children. Read and observe all labeled precautions.

NFPA

Health Hazard 2

Fire Hazard 0

Reactivity 0

Specific Hazard ...:

HMIS RATING

Health Hazard 2

Fire Hazard 0

Reactivity 0

Personal Protection ...: X (Sec. 9)

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