



MATERIAL SAFETY DATA SHEET
Nu-Clear

I - PRODUCT IDENTIFICATION

Company Name:	Nu-Calgon Wholesalers, Inc.	Tel No:	(314) 469-7000
Address:	2008 Altom Court St. Louis, MO 63146-4151	CHEMTREC:	(800) 554-5499 (800) 424-9300
Product Name:	Nu-Clear	Product Number:	4185
Synonyms:	Bubble-Forming Liquid		

II - HAZARDOUS INGREDIENTS OF MIXTURES

MATERIAL	CAS#	% By Wt	TLV	PEL
# Ethylene glycol (ORAL LD50 8.5mg/kg rat) # Ingredient subject to reporting under Section 313 of Title III (SARA) and 40 CFR 372.	(107-21-1)	<40	50 ppm ceiling (vapor)	NE

III - PHYSICAL DATA

Vapor Pressure: mm Hg: Unknown	Vapor Density (Air=1) 60-90F: Unknown
Evaporation Rate: (ether=1): Unknown	% Volatile by wt.: @85
Solubility in H2O: Complete	pH @ N/A Solution: N/A
Freezing Point F: N/A	pH as Distributed: 7.3-7.6
Boiling Point F: Unknown	Appearance: Clear, Opaque liquid
Specific Gravity H2O=1 @25C: 1.085	Odor: Mild chemical odor

IV - FIRE AND EXPLOSION

Flash Point F: >200F Flammable Limits: Unknown
Extinguishing Media: 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.

Nu-Clear

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:**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:** 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.

NEPA HMIS RATING

Health Hazard.....: 2 Health Hazard.....: 2

Fire Hazard.....: 0 Fire Hazard.....: 0

Reactivity.....: 0 Reactivity.....: 0

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

Revision Date: 02/13/98

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Category: ;GAS LEAK DETECTORS

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