

SAFETY DATA SHEET

SECTION I – Product and Company Identification

Product Name: NUCLO Poly 60

Chemical Name: Poly [oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]

Synonyms: WSCP, Clearaid SCP

CAS No.: 31512-74-0

Manufacturer: Qualco, Inc.

225 Passaic Street

Passaic, NJ 07055

Telephone: 973-473-1222

Fax: 973-473-0535

Emergency: 1-800-424-9300 (ChemTrec)

Supplied by: Qualco Inc.

225 Passaic Street

Passaic, NJ 07055

Telephone: 973-473-1222

Fax: 973-473-0535

SECTION II – Hazards Identification

Emergency Overview:

Physical Appearance: Clear, light yellow to brown liquid

Immediate Concerns: CAUTION: Eye irritant



Potential Health Effects:

Eyes: Irritating to eyes.

Skin: Prolonged or repeated exposure may irritate

Ingestion: There is limited information available to determine whether this material causes harm from swallowing.

Inhalation: Mist may be irritating to eyes and respiratory tract.

Cancer Statement: This product (or any component at a concentration of 0.1% or greater) is not listed by the NTP, IARC, OSHA or EPA as a carcinogen.

SECTION III – Composition/Ingredient Information

Components of this mixture may be proprietary information. In the event of a medical emergency, compositional information will be provided to physician or nurse. This product is hazardous as defined in 29 CFR 1910.1200, based on the following compositional information.

Chemical Name:

Poly[oxyethylene(dimethyliminio)ethylene(dimethyliminio)ethylene dichloride]

CAS No.: 31512-74-0

Weight %: 60

SECTION IV – First Aid Measures

Eye Exposure: Flush immediately with copious amounts of tap water or normal saline (minimum of 15 minutes). Take exposed individual to a health care professional preferably an ophthalmologist for further evaluation.

Skin Exposure: Wash exposed area with plenty of soap and water. Repeat washing. Remove contaminated clothing and wash thoroughly before reuse. If irritation persists, consult a health care professional..

Inhalation: If exposure by inhalation is suspected, immediately move exposed individual to fresh air. If individual experiences nausea, headache, and dizziness, has difficulty in breathing or is cyanotic, seek a health care professional immediately.

Ingestion: DO NOT INDUCE VOMITING. Rinse mouth with copious amounts of water first. Give 1 to 2 glasses of water slowly giving one (1) to two (2) glasses of water or milk. Never give fluids by mouth to individuals who are unconscious. Seek medical attention.

SECTION V – Firefighting Measures

Flammable Properties: Not Available

Flash Point: >212°F

Autoignition Temperature: Not Available

Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire.

Fire Fighting Procedures: Use water spray to cool fire exposed surfaces and protect personnel.

Isolate "fuel" supply from fire.

SECTION V – FIRE FIGHTING MEASURES (continued)

Fire Fighting Equipment: As in any fire, wear self-container breathing apparatus pressure demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

SECTION VI – ACCIDENTAL RELEASE MEASURES

Environmental Precautions:

Water Spill: Prevent additional discharge of material, if possible to do so, without hazard. This material is water soluble/dispersible and may not be recoverable.

Land Spill: Prevent additional discharge of material, if possible to do so, without hazard. For small spills, implement cleanup procedures. For large spills, implement cleanup procedures and, if in a public area, advise authorities.

General Procedures: Contain spilled liquid with sand or earth. Recover by pumping or with suitable absorbent.

Release Notes: Recycle or dispose or recovered material in accordance with all Federal, State and local regulations.

SECTION VII – HANDLING AND STORAGE

General Procedures: Keep container closed. Both open and handle containers with care. Store in a cool, well ventilated area from incompatible materials. Do not pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers without commercial cleaning or reconditioning.

Storage Temperature: Ambient.

Storage Pressure: Atmospheric

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ventilation should be provided to control worker exposures and prevent health risk; and as necessary to reduce, prevent and control aerosol generation.

Personal Protective Equipment:

Eyes and Face: Safety glasses with side shields.

Skin: Where contact may occur, wear chemical resistant gloves and long sleeves.

Respiratory: Where overexposure by inhalation may occur, and engineering work practices or other means of exposure reduction are not adequate, approved respirators may be necessary.

Comments: No workplace exposure limits have been established for this product.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Liquid
Color:	Light yellow to amber brown
Physical State:	Liquid
Odor:	Mild odor
pH:	6.8 to 8.0
Freezing Point:	32°F
Boiling Point/Range:	212°F
Solubility in Water:	Soluble
Percent Volatile:	40
Specific Gravity:	1.13 to 1.17
Density:	9.4 – 9.8
Viscosity:	<300Cp

SECTION X – STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: Excessive Heat

Hazardous Decomposition Products: SYS10

Hazardous Polymerization: Hazardous Polymerization does not occur.

SECTION XI – TOXICOLOGICAL INFORMATION

Toxicity Studies: Toxicity studies have been completed on the active ingredients. The results are shown below:

Acute Oral Toxicity LD50 (Albino Rats): 1951 mg/kg

Acute Dermal Toxicity LD50 (Albino Rats): >2,000 mg/kg

Acute Inhalation Toxicity LC50 (Rabbit): 2.9 mg/l (4 hours)

Primary Eye Irritation (Albino Rabbits): No data.

Primary Skin Irritation (Albino Rabbits): >2,000 mg/kg

SECTION XII – ECOLOGICAL INFORMATION

Results below based in the active product.

Avian Data:

Acute oral LD50, Quail: 354 mg/kg

Subacute Dietary LC50 (quail & duck): >5,620 ppm

Aquatic Data:

96 Hour LC50, fish, mg/l: 0.047 Rainbow Trout

>600 Sheepshead Minnow

0.21 Bluegill, 13.0 Mysid Shrimp

Invertebrate (D; magna), acute toxicity, EC50: 0.37 mg/l (48 hr.)

SECTION XIII – DISPOSAL CONSIDERATIONS

Empty Container: "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Empty containers should be rinsed thoroughly and discarded to trash or offered for recycling where permitted by local, state and federal regulations. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or properly disposed of.

RCRA/EPA Waste Information: Discarded product, as sold, would not be considered a RCRA Hazardous Waste.

General Comments: Ensure compliance with local, state and Federal regulations in disposing of this container, residual contents, or rinsing.

SECTION XIV – TRANSPORT INFORMATION

DOT: Not regulated

TDG: Not regulated

ICAO/IATA: Not regulated

IMDG/IMO: Not regulated

SECTION XV – REGULATORY INFORMATION

United States:

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Acute Health

FIRE: No PRESSURE GENERATING: No REACTIVITY: No ACUTE: Yes CHRONIC: No

313 REPORTABLE INGREDIENTS: This product does not contain Section 313 Reportable Ingredients

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA STATUS: All components of this product are listed on the TSCA Inventory or are exempt from TSCA Inventory requirements.

RCRA STATUS: Discarded product, as sold, would not be considered a RCRA Waste.

SECTION XVI – OTHER INFORMATION**HMIS RATING:**

Health – 1 Flammability – 0 Physical Hazard – 0 Personal Protection – B

NFPA/HMIS Ratings Legend: Severe = 4 Serious = 3 Moderate = 2 Slight = 1 Minimal = 0

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The information in this material safety data sheet should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product.

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