

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Nyco Alco-Free Foaming Hand Sanitizer

| | HMIS | NFPA |
|------------------|------|------|
| HEALTH | 1 | 1 |
| FLAMMABILITY | 0 | 0 |
| PHYSICAL HAZARDS | 0 | 0 |
| HMIS PPE | B | |

Marketed by: **Nyco Products Company**
Countryside, IL 60525

EMERGENCY TELEPHONE NUMBER

Chem Trec 1-800-424-9300
1-703-527-3887 (Outside US)

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear colorless to light amber solution with mild odor.

Repeated/prolonged contact may cause eye irritation. Inhalation may cause mucous membrane irritation. Ingestion may cause gastrointestinal discomfort including irritation, nausea and diarrhea.

This product is not combustible - Use extinguishing media suitable for the materials that are burning.

| | | |
|---------------------------------|--|---|
| GHS Classification | Eye Irritation | Category 2A |
| GHS Label Element | Hazard Pictogram  | |
| Signal Word | Warning | |
| Hazard Statement | H319 Causes serious eye irritation. | |
| Precautionary Statements | Prevention | P264 Wash skin thoroughly after handling. |

See Safety Data Sheet Section 4: "First Aid Measures" for additional information

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| INCI NAME | CAS# |
|-------------------------------|-----------------------------|
| Benzalkonium Chloride | 8001-54-5 (weight % - 0.10) |
| Water | 7732-18-5 |
| Cetrimonium chloride | 112-02-7 |
| Laurtrimonium chloride | 112-00-5 |
| Dihydroxyethyl Cocamine Oxide | 61791-47-7 |
| Glycereth-17 Cocoate | polymer |
| Fragrance - Lavender | mixture |

(Note: See Section 8 of this SDS for Exposure Guidelines)

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eyes and lids with water. Seek medical attention if irritation develops or persists.

SKIN CONTACT: Stop use and ask a doctor if irritation or redness develops, or if condition persists for more than 72 hours.

INHALATION: Remove from area to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

INGESTION: Give 3-4 glasses of water, but **DO NOT** induce vomiting. If vomiting occurs, give fluids again. Get medical attention to determine whether vomiting or evacuation of the stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point and Method: >200°F (PMCC)

GENERAL HAZARD: This product is not combustible.

EXTINGUISHING METHOD: Use media suitable for the material that is burning.

SPECIAL FIREFIGHTING INSTRUCTIONS: Move containers from area if can be done without risk.
Cool fire-exposed containers with water from side.

FIREFIGHTING EQUIPMENT: As in any fire, wear NIOSH/MSHA approved protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill area will be slippery. Wear appropriate protective equipment (See Section 8).

Absorb spills with vermiculite, fuller's earth, or sand. Shovel up and place in a non-metal waste container for disposal. Dike large spills with soil or sandbags to contain it and prevent its spread.

Prevent liquid from entering sewers or waterways.

SECTION 7: HANDLING AND STORAGE

HANDLING: Wear appropriate protective equipment (See Section 8).

STORAGE: Keep container tightly closed. Keep away from heat, and sunlight. Storage temperature range: 5-30° C. If material freezes, gently thaw prior to use. Mild agitation may be required.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: In applications where the product will be exposed to elevated temperatures, use local ventilation to remove potential decomposition products.

PERSONAL PROTECTION FOR BULK HANDLING:

Respirator: In operations where mists are generated, wear a NIOSH/MSHA approved respirator that has been selected by a technically qualified person for the specific work condition.

Eye Protection: Wear safety glasses with side shields or goggles.

Gloves: Wear natural rubber gloves

Clothing: Normal working clothing is generally adequate.

Other: Eye wash; safety shower

EXPOSURE LIMITS: No limits established for this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------|----------------------|
| State | Liquid solution |
| Viscosity | Low viscosity |
| Color | Water white to straw |
| Odor | Mild |
| Melting Point, °C | NA |
| Freezing Point, °C | ND |
| Boiling Point, °C | 100° C |
| Weight per Gallon | 8.3 lb/gal |
| Specific Gravity @20°C | 1.00±0.02 |
| Water Solubility | Soluble |
| pH | 4.0-7.0 |

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Stable

INCOMPATIBILITIES: None known

CONDITIONS TO AVOID: Avoid contact with heat

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon and Nitrogen on combustion

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (OPPTS 870.1100) >5,000 mg/kg; Toxicity Category V
Acute Dermal LD₅₀ (OPPTS 870.1200) - >2,000 mg/kg; Toxicity Category IV
Inhalation LC₅₀ - No Data

Acute skin irritation (OPPTS 870.2500) - Mild skin irritant, PII 0.13; Toxicity Category IV
Acute eye irritation (OPPTS 870.2400) - Mild eye irritant: Toxicity Category III
Skin Sensitization (OPPTS 870.2600) - Not a sensitizer

GENOTOXICITY/MUTAGENICITY

For Benzalkonium chloride: Ames test (Salmonella sp.): Not mutagenic with or without metabolic activation.

SECTION 12: ECOLOGICAL INFORMATION

| | |
|---------------------------------------|---------|
| EC ₅₀ (Bacterium toxicity) | No Data |
| LC ₅₀ (Daphnia) | No Data |
| BOD | No Data |
| COD | No Data |
| Heavy Metals | No Data |

SECTION 13: DISPOSAL CONSIDERATIONS

| | |
|------------------------|---|
| RCRA Waste Code | Not regulated under RCRA, 40 CFR 261 |
| Products | Keep away from natural water sources. Observe all applicable federal, state, and local regulations. |
| Empty Packaging | Remove all residue when emptying. |

SECTION 14: TRANSPORTATION INFORMATION

DOT Hazard Classification: Non-Hazardous, not regulated

SECTION 15: REGULATORY INFORMATION (Not meant to be all-inclusive, selected regulations represented)

OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) - Hazardous

CERCLA/SUPERFUND (40 CFR 117, 302) - This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355) - This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

SARA HAZARD CATEGORIES : (40 CFR 370) - Acute

SARA TOXIC SUBSTANCES : (40 CFR 372) - This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

TOXIC SUBSTANCES CONTROL ACT: For FDA/COSMETIC Use only

STATE REGULATIONS: None Listed

SECTION 16: OTHER INFORMATION

| | |
|----------------------|----------------------------------|
| ABBREVIATIONS | TPQ: Threshold Planning Quantity |
| N/A: Not Applicable | N/E: Not established |
| N/K: Not Known | N/D: Not Determined |
| C: Ceiling limit | RQ: Reportable quantity |

Date prepared: March 2020

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