

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: NuLube 1      Product #: MLC102      CAS Number: Blend  
NuGeneration Technologies, LLC      [www.nugentec.com](http://www.nugentec.com)  
7200 CE Dixon Street, Stockton, CA 95206 USA (209)234-5930 (product info)  
1-800-424-9300 or 1-202-483-7616 (CHEMTREC: For emergencies)

**2. COMPOSITION/INFORMATION ON INGREDIENTS:**

| NON-HAZARDOUS COMPONENTS: Chemical Name | Amount   | CAS Number   |
|---|----------|--------------|
| TETRASODIUM ETHYLENEDIAMINETETRAACETATE | < 5.0 %  | 64-02-8      |
| DIPROPYLENE GLYCOL MONOMETHYL ETHER     | < 5.0 %  | 34590-94-8   |
| NON-IONIC SURFACTANT                    | < 5.0 %  | 68603-25-8   |
| POTASSIUM OLEATE                        | < 15.0 % | Trade-secret |
| Water                                   | Balance  | 7732-18-5    |

COMPOSITION COMMENT: Biodegradable product.

HAZARDS DISCLOSURE: This product contains no known hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product contains no known hazardous materials.

**3. HAZARDS IDENTIFICATION**

\*\*\*\*\* EMERGENCY OVERVIEW \*\*\*\*\*  
\* WARNING \*  
\* Not expected to be a skin or eye irritant. \*  
\*\*\*\*\*

HMIS/NFPA Rating:

Health - 0, Flammability - 0, Reactivity - 0 Personal Protection Index - A  
NFPA/HMIS Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme).

**POTENTIAL HEALTH EFFECTS**

EYE: Contact may cause eye irritation.      INGESTION: May be harmful if swallowed.  
SKIN: Prolonged or repeated contact may cause skin irritation.  
INHALATION: No know inhalation issues in normal industrial use.  
SIGNS AND SYMPTOMS OF EXPOSURE: Not expected to be a skin or eye irritant.  
CHRONIC EFFECTS: Prolonged/repeated contact may produce mild skin irritation.  
CARCINOGENICITY INFORMATION: No known cancer hazards.

**4. FIRST AID MEASURES**

EYE CONTACT FIRST AID: Flush eyes with plenty of water for at least 15 minutes.  
SKIN CONTACT FIRST AID: Wash skin with water and remove contaminated clothing.  
INHALATION FIRST AID: No know inhalation issues in normal industrial use.  
INGESTION FIRST AID: Get medical attention. Induce vomiting. Give water or Milk.  
STATEMENT OF PRACTICAL TREATMENT: Always have plenty of water available for first aid.

**5. FIRE FIGHTING MEASURES**

FLAMMABLE PROPERTIES: Autoignition Temp: None  
COC Flash Point: None      TCC Flash Point: None  
FLAMMABLE LIMITS IN AIR: LEL: None; UEL: None      EXTINGUISHING MEDIA: Will not burn.  
FIRE & EXPLOSION HAZARDS: Incinerating may create toxic decomposition products.

**6. ACCIDENTAL RELEASE MEASURES**

SPILLS PROCEDURE: Wash to waste treatment system with water. Or for large spills  
Absorb spill with inert material (dry sand), then place in a chemical waste container.

**7. HANDLING AND STORAGE**

RECOMMENDED STORAGE TEMPERATURE      Minimum: 4.4C (40F)      Maximum: 48.9C (120F)  
SHELF LIFE(in original sealed containers): 5 years @ 4.4 C      3 years @ 48.9 C

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

ENGINEERING CONTROLS: No special ventilation requirements.  
EYE / FACE / SKIN / RESPIRATORY PROTECTION REQUIREMENTS: Not required in normal use.  
EXPOSURE GUIDELINES: Dipropylene Glycol Monomethyl Ether  
OSHA PEL: 100 ppm, 600 mg/m<sup>3</sup> OSHA TWA: 100 ppm, 600 mg/m<sup>3</sup>

**9. PHYSICAL AND CHEMICAL PROPERTIES**

FORM: Liquid COLOR: light amber, Moderate Viscosity  
ODOR: Mild BOILING POINT: >212 F  
SOLUBILITY IN WATER: Complete SPECIFIC GRAVITY: 1.020 (Water = 1)  
BULK DENSITY: 8.5 MELTING/FREEZING POINT: <35 F  
PH: 10 PH @ 5%: 9.8 VOC = 50 g/l (concentrate)

**10. STABILITY AND REACTIVITY**

STABILITY: Stable. POLYMERIZATION: Hazardous polymerization will not occur.  
INCOMPATIBILITY WITH OTHER MATERIALS: Safe under normal usage conditions.  
DECOMPOSITION: Decomposition will not occur if handled and stored properly.

**11. TOXICOLOGICAL INFORMATION**

EYE / SKIN EFFECTS: Contact may cause eye irritation.  
ACUTE ORAL / INHALATION EFFECTS: No know hazards in normal industrial use.

**12. ECOLOGICAL INFORMATION - No information available.****13. DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL: Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.  
CONTAMINATED MATERIALS: Wash contaminated clothing before reuse.  
CONTAINER DISPOSAL: Clean out containers prior to disposal.

**14. TRANSPORTATION INFORMATION**

PRODUCT LABEL: NuLube 1 PACKAGE CLASS: 55  
D.O.T. SHIPPING NAME: Cleaning Compound TECHNICAL SHIPPING NAME: N/A  
D.O.T. HAZARD CLASS: Non-Hazardous UN NUMBER: N/A  
D.O.T. LABEL: NOBIN Non-Hazardous PRODUCT RQ (LBS): NA  
D.O.T. PLACARD: N/A BULK CLASS: N/A

**15. REGULATORY INFORMATION**

FDA (FOOD AND DRUG ADMINISTRATION): This Product Meets FDA/USDA requirements for cleaning in the food processing industry.  
MISCELLANEOUS INFORMATION: This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS).

**16. OTHER INFORMATION**

PREPARED BY: Donato Polignone PRD NUMBER: MLC102 (Official Copy)  
APPROVED BY: Milan Malek TITLE: VP Research & Development  
APPROVAL DATE: January 20, 2001 SUPERCEDES DATE: January 20, 2000

ADDITIONAL INFORMATION: The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

\*\*\*\*\*

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of NuGeneration Technologies, LLC. The data on this sheet are related only to the specific material designated herein. NuGeneration Technologies, LLC assumes no legal responsibility for use or reliance upon these data.

END OF MSDS