

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: NuLube Klean-Draw Product Number: MGG105
Synonyms: Semi-synthetic Heavy Duty Metal-forming Lubricant
CAS Number: Blend

Company Identification

NuGeneration Technologies, LLC
100 Professional Center Drive Suite 101, Rohnert Park, CA 94928 USA
(707) 820-4080 (For product information) www.nugentec.com
1-800-424-9300 or 1-202-483-7616 (CHEMTREC: For emergencies)

2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0% NuLube Klean-Draw

CONTAINING: HAZARDOUS AND/OR REGULATED COMPONENTS

Chemical Name	Amount	CAS Number
SEVERELY HYDROTREATED HEAVY NAPHTHENIC DISTILLATE	< 15.0 %	64741-96-4
2-BUTOXYETHANOL	< 5.0 %	111-76-2

NON-HAZARDOUS COMPONENTS

Chemical Name	Amount	CAS Number
CHLORINATED PARAFFIN	< 50.0 %	TradeSecret
DEFOAMER (NON-SILICON)	< 0.5 %	TradeSecret
EMULSIFIER	< 20.0 %	TradeSecret
PROPRIETARY LUBRICANT PACKAGE	< 15.0 %	TradeSecret

Note: non-hazardous components are listed for informational purposes only.
(See Section 8 for exposure guidelines) (See Section 15 for regulatory information)

COMPOSITION COMMENT:

This product does not contain any ingredients which are known to the state of California to cause cancer, birth defects, or other reproductive harm.

HAZARDS DISCLOSURE: This product contains 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.

MISCELLANEOUS: This product contains Mineral oil at < 15%.

3. HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW *****
* The health hazards of this product should be low *
* under normal industrial and commercial uses. May *
* cause skin or eye irritation or dryness after *
* repeated or prolonged contact. *

HMIS Rating - Health: 1
Flammability: 0
Reactivity: 0
Personal Protection Index: B

NFPA Rating - Health: 1
Flammability: 0
Reactivity: 0
Special Hazard: None

NFPA/HMIS Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

POTENTIAL HEALTH EFFECTS

EYE: Contact may cause eye irritation.

SKIN:

No hazard in normal industrial use. Not expected to be a skin irritant. Prolonged or repeated contact may result in drying of the skin which may result in skin irritation and dermatitis.

INHALATION: No known hazards in normal industrial use.

INGESTION: Ingestion is not considered a potential route of exposure.

SIGNS AND SYMPTOMS OF EXPOSURE:

If exposed areas are flushed promptly and thoroughly with water, there should be little or no harm. Long-term exposure may lead to rash or burn.

CHRONIC EFFECTS:

Prolonged and/or repeated contact may produce mild to moderate skin irritation or inflammation.

CARCINOGENICITY INFORMATION: No known cancer hazards.

MISCELLANEOUS: Poses little or no immediate hazard. Slippery, can cause falls if walked on.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Flush eye with water for 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID:

Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

INHALATION FIRST AID:

Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen.

INGESTION FIRST AID:

Get medical attention immediately. Do not induce vomiting. Give milk or water.

NOTES TO PHYSICIAN: Treat patient symptomatically.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Autoignition Temperature: 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: Material will not burn.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment.

INITIAL CONTAINMENT:

Contain spilled material. Floor may become slippery. Wash area to prevent slipping. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

LARGE SPILLS PROCEDURE:

Forms smooth, slippery surfaces on floors, posing an accident risk. Flush spill area with water to wastewater treatment system. After removal, flush contaminated area thoroughly with water. Or absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

SMALL SPILLS PROCEDURE:

Floor may become slippery. Wash with water or absorb spills with inert material. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE TEMPERATURE

Minimum: 4.4 C (39.9 F) Maximum: 48.9 C (120.0 F)

SHELF LIFE: (in original, sealed containers)

>10 years @ 4.4 C >3 years @ 48.9 C

HANDLING (PERSONNEL): Avoid prolonged contact with skin or eyes.

HANDLING (PHYSICAL ASPECTS): Store in a cool dry area.

STORAGE PRECAUTIONS: Keep from freezing. Keep container closed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

No special ventilation requirements.

EYE / FACE PROTECTION REQUIREMENTS:

Where contact with this material is likely, eye protection is recommended.

SKIN PROTECTION REQUIREMENTS:

Wear protective gloves to minimize skin contamination.

RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special handling equipment is required.

EXPOSURE GUIDELINES:

No Information Available.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid
COLOR: Brown
ODOR: Mild
BOILING POINT: >212 F
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: 0.960 (Water = 1)
BULK DENSITY: 8.00
MELTING/FREEZING POINT ...: 32 F
PH: N/A
PH (5% B.V.): 8.4
Viscosity (SUS @100F): 800

10. STABILITY AND REACTIVITY

STABILITY: Stable.

POLYMERIZATION: Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS: None known.

DECOMPOSITION:

Decomposition will not occur if handled and stored properly.

CONDITIONS TO AVOID:

This material is safe under normal storage and handling conditions.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Contact may cause eye irritation.
SKIN EFFECTS: Contact may cause slight skin irritation.
ACUTE ORAL EFFECTS: No know hazards in normal industrial use.
ACUTE 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. Uncleaned empty containers should be disposed of in the same manner as the contents. For additional waste disposal information contact your local NuGenTec representative at (888) 99-NuGen.

CONTAMINATED MATERIALS: Wash contaminated clothing before reuse.
CONTAINER DISPOSAL: Clean out containers prior to disposal.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: NuLube Klean-Draw
D.O.T. SHIPPING NAME: Non-Regulated Material
TECHNICAL SHIPPING NAME ...: N/A
D.O.T. HAZARD CLASS: Non-Hazardous
UN NUMBER: N/A
PRODUCT RQ (LBS): N/A
D.O.T. LABEL: NOBIN Non-Hazardous
D.O.T. PLACARD: N/A
BULK CLASS: N/A
PACKAGE CLASS: 55

15. REGULATORY INFORMATION

EEC Symbols and Indications of Danger: None
WHMIS Hazard Symbols: None
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).

16. OTHER INFORMATION

PREPARED BY: Donato Polignone
APPROVAL DATE: June 4, 2007
SUPERCEDES DATE ...: March 2, 2004
PRD NUMBER: MGG105 (Official Copy)

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END OF MSDS
