

LUBRICATION ENGINEERS® , INC.
300 Bailey Avenue FORT WORTH, TX 76107

MATERIAL SAFETY DATA SHEET
SECTION I - PRODUCT IDENTIFICATION

SUPPLIER:
 Lubrication Engineers®, Inc.
 300 Bailey Avenue
 Fort Worth, TX 76107

EMERGENCY TELEPHONE NUMBERS.:
 Company: (817) 834-6321
 In the event of an emergency spill, fire, or exposure—Call:
 Chemtrec: (Within USA) (800) 424-9300
 (Outside USA—call collect) (703) 527-3887
TRADE NAME AND SYNONYMS:
 2100 Nutrigent Industrial Cleaner

CHEMICAL NAME AND SYNONYMS:
 Not applicable
CHEMICAL FAMILY:
 Surfactant solution

FORMULA:
 Not applicable

SECTION II - TYPICAL CHEMICAL AND PHYSICAL PROPERTIES

APPEARANCE:
 Blue industrial cleaner
ODOR:
 Glycol ether odor
RELATIVE DENSITY:
 (Air=1) Unknown
MELTING POINT: °F
 32
BOILING POINT: °F
 200
VAPOR PRESSURE:
 (mm Hg @ 60°F) Unknown

VISCOSITY: @ 210°F, SUS
 Not applicable
VISCOSITY: @ 100°F, SUS
 Not applicable
SOLUBILITY IN WATER:
 Complete
POUR POINT: °F
 Not applicable
FLASH POINT: °F (Method)
 Non-flammable
SPECIFIC GRAVITY: (H₂O=1)
 1.06

@ 100°C, cSt
 Not applicable
@ 40°C, cSt
 Not applicable
PH: 8.1-8.6

SECTION III - INGREDIENTS

	WT PCT (APPROX)	TLV	ORAL LD50	DERMAL LD50
HAZARDOUS INGREDIENTS:				
Triethanolamine	4.0-7.0	3 ppm-TWA	8680 mg/kg Rat	Unknown
Propylene glycol n-propyl ether	<9.0	Unknown	2000-4350 mg/kg Rat	4.0-5.0 ml/kg Rabbit
Sodium Tripolyphosphate	<4.0	Unknown	Unknown	Unknown
Ethoxylated Thioether	<4.0	Unknown	Unknown	Unknown
Dodecylbenzene Sulfonic Acid	<4.0	Unknown	650 mg/kg Rat	Unknown
Coconut Fatty Acid Diethanolamide	<4.0	Unknown	Unknown	Unknown
Polyoxyethylene nonylphenyl ether, Branched, Phosphate	<4.0	Unknown	Unknown	Unknown
EDTA	<1.0	Unknown	Unknown	Unknown
Glycerine	<1.0	10 mg/m ³	Unknown	Unknown
Diethanolamine	<1.0	Unknown	Unknown	Unknown
Branched Nonylphenol Ethoxylates	<1.0	Unknown	Unknown	Unknown
Phosphoric acid	<1.0	1 mg/m ³ -TWA	Unknown	Unknown

NON-HAZARDOUS INGREDIENTS:

ADDITIVES AND/OR OTHER INGREDIENTS: This product is a mixture. The specific chemical identity of hazardous ingredients and non-hazardous ingredients, their C.A.S. numbers and their exact percent of composition are proprietary to Lubrication Engineers®, Inc. and are being withheld as Trade Secrets. The above listing of hazardous ingredients discloses the properties, approximate concentration and known toxicological effects of the hazardous ingredients. This material is an industrial cleaner with a low order of toxicity and irritancy. The product is formulated with ingredients that are not designated as harmful to the ozone.

REGULATORY INFORMATION:

SARA Title III: This product does not contain any chemical substance on the SARA Extremely Hazardous Substances list. If this product contains any chemicals that are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372, they will be listed in the above HAZARDOUS INGREDIENTS section.
TSCA: This material is in compliance with the Toxic Substances Control Act (15 USC 2601-2629) and all components of this product appear on the Toxic Substance Control Act (TSCA) inventory list.
Clean Air Act: No ozone depleting chemicals listed in Title VI, Stratospheric Ozone Protection, Section 602 of the Clean Air Act are present or used in the manufacturing process of this product.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: °F (Method)
 Non-flammable
EXTINGUISHING MEDIA:
 Not applicable
SPECIAL FIRE FIGHTING PROCEDURES:
 Not applicable
UNUSUAL FIRE AND EXPLOSION HAZARDS:
 None

FLAMMABLE LIMITS: LEL UEL
 Unknown

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: (If Established)
 Not established.
 100 ppm suggested
EFFECTS OF OVEREXPOSURE:

Dermal and eye contact are the primary routes of entry. The product may cause mild dermatitis upon prolonged contact and may cause damage to the following organs: Kidneys, Liver, Central Nervous System, Eye, Lens or Cornea. Any existing skin, eye, or lung irritation may be aggravated by direct contact. Dodecylbenzene Sulfonic Acid is a suspected carcinogen for humans.

SECTION VI - EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT:

Flush immediately with water until irritation subsides.

SKIN CONTACT:

Wash affected skin area with mild soap and water.

INGESTION:

Do not induce vomiting. Contact a physician.

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. Contact a physician.

SECTION VII - REACTIVITY DATA

STABILITY: (Thermal, Light, Etc.)

Stable

INCOMPATIBILITY: (Materials to avoid)

None

HAZARDOUS DECOMPOSITION PRODUCTS:

None

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Flush with large amounts of water

WASTE DISPOSAL METHOD:

Sodium polyphosphate is a component of this product and has a reportable quantity of 5,000 pounds by 40 CFR 117.3 (Clean Water Act). In normal usage quantities, this product may be flushed to sanitary sewers.

SECTION IX - SPECIAL PROTECTION INFORMATION

EYE PROTECTION:

Sufficient to avoid direct contact.

SKIN PROTECTION:

Protective neoprene or plastic gloves must be worn to meet specified skin STEL-TLV.

RESPIRATORY PROTECTION:

Usually not needed in open, unconfined areas. In enclosed areas, sufficient ventilation to meet specified TWA-TLV.

VENTILATION:

Usually not needed in open, unconfined areas. In enclosed areas, sufficient ventilation to meet specified TWA-TLV.

OTHER:

Usually not needed.

SECTION X - SPECIAL PRECAUTIONS

Close containers when not in use. Avoid eye contact and prolonged skin contact. Wash thoroughly after handling.

SECTION XI - HAZARD RATINGS

There are several recognized and accepted systems that assign hazard ratings to materials. Although this product has not been evaluated specifically against these systems, the ratings for the National Fire Protection Association (NFPA) and the National Paint and Coatings Association's Hazardous Material Identification System (HMIS) are:

	NFPA	HMIS
Health	3	3
Flammability	1	1
Reactivity	0	0