



SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: Nook Industries E-900 Ball Screw Lubricant Spray (NLU-1003)
Product Description: Synthetic Base Stocks and Additives
Product Code: 202050401020, 494237-00, 971870
Intended Use: Ball screw lubrication

COMPANY IDENTIFICATION

Supplier: **NOOK INDUSTRIES**
4950 EAST 49th STREET
CLEVELAND, OH 44125
800-255-3924
800-321-7800
<http://www.nookindustries.com/r/msds>

**24 Hour Health Emergency
MSDS Requests
MSDS Internet Address**

SECTION 2 HAZARDS IDENTIFICATION

Route of Entry: Eyes - Yes Skin - Yes Inhalation - Yes Ingestion - Unlikely

Target Organs: Eyes; Respiratory system;

Inhalation: Minimal respiratory tract irritation may occur with exposure to a large amount of material.

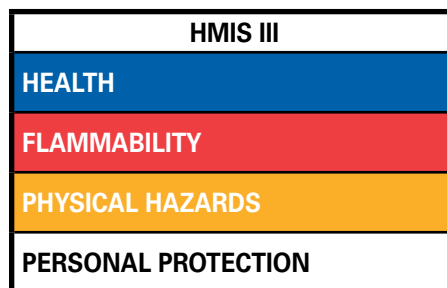
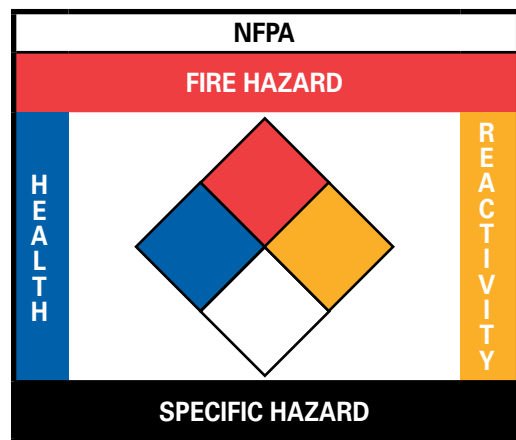
Skin Contact: May cause an allergic skin reaction

Eye Contact: Minimal eye irritation may result from short-term contact with liquid, mist, and/or vapor

Ingestion: Not a normal route of exposure.

NFPA: Health = 1, Fire = 3, Reactivity = 0

HMIS III: H1/F3/PH0





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SECTION 2

HAZARDS IDENTIFICATION cont.

GHS Signal Word: DANGER

GHS Hazard Pictograms:



GHS Classifications:

Physical, Flammable Aerosols, 1
Health, Acute toxicity, 5 Oral
Health, Skin corrosion/irritation, 3
Health, Specific target organ toxicity - Single exposure, 3
Health, Serious Eye Damage/Eye Irritation, 2 B

GHS Phrases:

H222 - Extremely flammable aerosol
H229 - Pressurized container: may burst if heated
H303 - May be harmful if swallowed
H316 - Causes mild skin irritation
H335 - May cause respiratory irritation
H320 - Causes eye irritation

GHS Precautionary Statements:

P102 - Keep out of reach of children.
P103 - Read label before use.
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P243 - Take precautionary measures against static discharge.
P251 - Pressurized container: Do not pierce or burn, even after use.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P273 - Avoid release to the environment.
P281 - Use personal protective equipment as required.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+352 - IF ON SKIN: Wash with soap and water.
P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.
Continue rinsing.
P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.
P370+380+375 - In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
P412 - Do not expose to temperatures exceeding 50 °C/122 °F

CONDITIONS AGGRAVATED BY EXPOSURE: None known

LISTED CARCINOGENS: OSHA - Not listed IARC - Not listed NTP - Not listed



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SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:

NAME	CAS#	CONCENTRATION*
PROPANE	74-98-6	10-30%
PETROLEUM	Proprietary	70-90%

SECTION 4 FIRST AID MEASURES

- Inhalation:** Move to fresh air and keep at rest. Call a physician if symptoms develop and persist.
- Skin Contact:** Wash with soap and water. If skin irritation persists, call a physician immediately. Remove contaminated clothing and wash before reuse.
- Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
- Ingestion:** Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low to avoid getting into the lungs. Call a poison control center if large amounts are ingested. Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

- Flammability:** Extremely flammable
- Flash Point:** -156°F (-104.4°C) (propellant)
- Flash Point Method:** Estimated.
- Burning Rate:** Not Available
- Autoignition Temp:** Move to fresh air and keep at rest. Call a physician if symptoms develop and persist.
- LEL:** Not Available
- UEL:** Not Available

Means of Extinction:

Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).



SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

Environmental Precautions: Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.

SECTION 7 HANDLING AND STORAGE

Handling Precautions: HARMFUL IF INHALED OR SWALLOWED. VAPOR HARMFUL. EYE, SKIN AND RESPIRATORY IRRITANT. Contents under pressure. Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container. Vapors may cause flash fires.

Storage Requirements: Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container. Store in accordance with NFPA 30B for LEVEL 3 AEROSOL.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Maintain adequate ventilation
Personal Protective Equip: HMIS PP, B | Safety Glasses, Gloves

EXPOSURE LIMITS

INGREDIENTS	OSHA-PEL	ACGIH-TLV	OTHER
Propane	No Est.	1000 ppm	
Petroleum (proprietary)	5mg/m ³ (as mist)	5mg/m ³ (as mist)	



SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Slight Amber	Odor:	Oily
Spec Grav./Density:	0.960 - 0.970	Solubility:	Insoluble
Boiling Point:	>100°F	Flash Point:	-156°F (-104.4°C) (propellant) estimated
Flammability:	Extremely flammable	VOC:	20%
Vapor Pressure:	No Data		
pH:	N/A		
Evap. Rate:	>1.00		

SECTION 10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions To Avoid:	Heat, sparks, open flames and temperatures above 120°F
Materials To Avoid:	None known.
Hazardous Decomposition Products:	CO, CO ₂ , and hydrocarbons.
Hazardous Polymerization:	Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

No product toxicological information is available.

SECTION 12 ECOLOGICAL INFORMATION

No product ecological information is available.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.



SECTION 14 TRANSPORT INFORMATION

DOT Class: Flammable Gas (2.1) #2.1

UN #: UN 1950, Class 2, Proper Shipping Name: Aerosols, flammable (each not exceeding 1 L capacity)

DOT

UN Number	UN1950
UN proper shipping name	Aerosols, flammable
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	---
Label(s)	2.1
Packing group	Not applicable

IATA

UN Number	UN1950
UN proper shipping name	Aerosols, flammable
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	---
Label(s)	2.1
Packing group	Not applicable
Environmental hazards	No
Other information	
Passenger and cargo aircraft	Allowed
Cargo aircraft only	Allowed

IMDG

UN Number	UN1950
UN proper shipping name	Aerosols, flammable
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	---
Label(s)	2.1
Packing group	Not applicable
Environmental hazards	No



SECTION 15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Propane (74986 10-30%) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

*Petroleum (Proprietary 70-90%) MASS, PA, TSCA, TXHWL

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

OSHAWAC = OSHA Workplace Air Contaminants

PA = PA Right-to-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

TXHWL = TX Hazardous Waste List

Proposition 65 - California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

SECTION 16 OTHER INFORMATION

Disclaimer:

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