Huron
INDUSTRIES, INC.

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THE HOME OF COLLOIDAL GRAPHITE

CERTIFICATE OF QUALITY CONFORMANCE AND CERTIFICATE OF ANALYSIS
NEOLUBE NO. 2, DRY FILM CONDUCTIVE LUBRICANT

We hereby certify that Huron Industries, Inc., provided the supplies called for by the purchase order listed below. The **NEOLUBE NO. 2, DRY FILM CONDUCTIVE LUBRICANT**, was shipped in accordance with all applicable requirements for shipment. We further certify that the supplies are of the quality specified and are in all respects in conformance with the contract requirements, including specification and/or drawings, preservation, packaging and marking requirements; physical item identification (part number), and in the quantity shown on this document. Technical Data Sheet and Material Safety Data Sheets are attached.

PURCHASE ORDER NUMBER	PO-20171018	***LINE / ITEM NUMBER***	1, 2, 3
DATE FILLED	10/17	***DATE SHIPPED***	11/02/17
INVOICE NUMBER	18959	***QUANTITY SHIPPED***	192 PINTS, 60 QUARTS, 8 GALLONS
CONTAINER SIZE	PINTS, QUARTS, GALLONS	***PART NUMBER***	NEOLUBE NO. 2
LOT NUMBER	1706503	***TOTAL SOLIDS***	3.34%
ODOR	ISOPROPANOL, NO ODOR OF HALOGENATED SOLVENTS DETECTED	***HIDING POWER PFUND***	1272 SQFT/MIL
SHELF LIFE	NO LIMIT IN CLOSED CONTAINER		

REPORT NUMBER	V7032881	
APPEARANCE HL-1121 (1121-2.1) [COLOR]	DARK (BLACK)	
TOTAL HALOGENS BY ION CHROMATOGRAPHY HL-1151 [1151-3.0]		
TOTAL CHLORIDES	<25	PPM
TOTAL BROMIDES	<25	PPM
TOTAL FLUORIDES	<25	PPM
LEACHABLE SULFUR BY MICROCOULOMETRY ASTM D3120	24	PPM
ASH ASTM D482 (0482-2.5)	<0.001	MASS%
METALS BY ICP, AQUEOUS ASTM D1976 (1976-3.9) DIGIPREP OF SAMPLE FOR AQ. ICP HL-1976		
SILVER (Ag), Aqueous	<0.39	PPM
ALUMINUM (Al), Aqueous	0.9	PPM
BORON (B), Aqueous	<0.3	PPM
BARIUM (Ba), Aqueous	0.2	PPM
CALCIUM (Ca), Aqueous	7.8	PPM
CADMIUM (Cd), Aqueous	<0.2	PPM
CHROMIUM (Cr), Aqueous	<0.5	PPM
COPPER (Cu), Aqueous	0.4	PPM
IRON (Fe), Aqueous	6.7	PPM
POTASSIUM (K), Aqueous	0.6	PPM
MAGNESIUM (Mg), Aqueous	<0.3	PPM
MANGANESE (Mn), Aqueous	<0.2	PPM
MOLYBDENUM (Mo), Aqueous	<0.5	PPM
SODIUM (Na), Aqueous	9.0	PPM
NICKEL (Ni), Aqueous	<0.3	PPM
PHOSPHORUS (P), Aqueous	<2.1	PPM
LEAD (Pb), Aqueous	<1.3	PPM

ANTIMONY (Sb), Aqueous		<0.7	PPM
SILICON (Si), Aqueous		2.3	PPM
TIN (Sn), Aqueous		<0.9	PPM
TITANIUM (Ti), Aqueous		0.2	PPM
VANADIUM (V), Aqueous		<0.2	PPM
ZINC (Zn), Aqueous		0.2	PPM
ARSENIC (As), Aqueous		1.3	PPM
MERCURY (Hg), Aqueous		<0.1	PPM
BISMUTH (Bi), Aqueous		<0.1	PPM
GALLIUM (Ga), Aqueous		<0.2	PPM
INDIUM (In), Aqueous		<0.1	PPM
REPORT NUMBER		54116-0	
CHLORINE, PPM (SW846/9056)	(200 PPM MAX TOTAL SOLID)	<5.00	PPM
FLUORINE, PPM (SW-846/9056)	(75 PPM MAX TOTAL SOLID)	<2.00	PPM
BROMINE, PPM (SW-846/9056)		<2.00	PPM
TOTAL ORGANIC HALOGENS, PPM (SW846/5050/9056)	(200 PPM MAX TOTAL SOLID)	<200	PPM
NITRITE AS N, PPM (SW-846/9056)		<1.00	PPM
BROMIDE, PPM (SW-846/9056)		<2.00	PPM
NITRATE AS N, PPM (SW-846/9056)		<1.00	PPM
SULFATE, PPM (SW-846/9056)		<5.00	PPM
WATER LEACH CHLORIDE, PPM (SW-846/9056)		<5.00	PPM
WATER LEACH FLUORIDE, PPM (SW-846/9056)		<2.00	PPM
WATER LEACH BROMIDE, PPM (SW-846/9056)		<2.00	PPM
WATER LEACH SULFATE, PPM (SW-846/9056)		<5.00	PPM
IODINE, PPM (SW-846/9056)		<1.00	PPM
WATER LEACHABLE SULFIDE, PPM (EPA 376.2)		1.26	PPM
PPM=PARTS PER MILLION, ND= NON DETECTED, SM=STANDARD METHOD, SW=SOLID WASTE METHOD			

FILM PROPERTIES

		REGULAR SURFACE	IRREGULAR SURFACE
(A)	APPEARANCE	DRY, NON-OILY	DRY, NON-OILY
(B)	ADHERENCE	ACCEPTABLE	ACCEPTABLE
(C)	SPALLING	ACCEPTABLE	ACCEPTABLE

Instruments and equipment containing Mercury or compounds of Mercury were not used in the manufacture and packaging of the lubricant, nor in testing and inspection, unless samples were discarded after test. Compounds containing Boron were not used in cleaning, nor processing equipment, nor containers. There is no intentional addition of low melting point metals such as: Lead, Bismuth, Zinc, Mercury, Antimony, Cadmium, Tin, Silicon, Gallium, Indium, or Arsenic to this product; nor of Copper or Silver. Neither Nitrates nor Nitrites were used in the manufacture or package of the product. PLEASE NOTE: 'NEOLUBE PRODUCTS ARE NOT CONSIDERED TO BE SAFETY RELATED GOODS. AS SUCH, THEY ARE NOT DESIGNED, FABRICATED, HANDLED, SHIPPED, STORED, ETC., UNDER A QUALITY ASSURANCE PROGRAM WHICH COMPLIES WITH THE REQUIREMENTS OF 10CFR50, APPENDIX B, 10CFR21, OR ANSI STANDARDS." During the manufacturing processes, tests, and inspection, product shall not have come in contact with mercury or any of its compounds nor any mercury-containing devices employing a single boundary of containment. This product was manufactured in a facility whose quality management system is certified and registered as being in conformity with ISO 9001:2015. This product was manufactured, tested and inspected in accordance with our Quality Management System Manual (QMS), Revision 0 issued September 12, 2016. Shelf Life: No limit in closed container. Stir or shake well before using. NOTE: The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal Statutes.

Authorized By: Debra Hardy, QA Manager 5/4/17 Debra Hardy

SAFETY DATA SHEET

1. IDENTIFICATION

PRODUCT IDENTIFIER:	NEOLUBE NO. 1 NEOLUBE NO. 2	**PRODUCT TYPE:**	DRY FILM LUBRICANT
RECOMMENDED USE:	LUBRICANT	**REGION:**	UNITED STATES
RESTRICTIONS ON USE:	NONE IDENTIFIED	**COMPANY PHONE NUMBER:**	810-984-4213
COMPANY:	HURON INDUSTRIES, INC.	**COMPANY FAX NUMBER:**	810-987-4199
COMPANY ADDRESS:	2301 16th STREET PORT HURON, MI 48060	**Medical Emergency Phone: Poison Control Center: 1-877-671-4608 (toll free)** **TRANSPORT EMERGENCY PHONE:** **INFOTRAC: 800-535-5053 Domestic (HURON 89770)** **INFOTRAC: +1-352-323-3500 International (HURON 89770)**	

2. HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW

DANGER:

EXTREMELY FLAMMABLE LIQUID AND VAPOUR.
MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
CAUSES SKIN IRRITATION.
MAY CAUSE AN ALLERGIC SKIN REACTION.
CAUSES SERIOUS EYE IRRITATION.
MAY CAUSE DROWSINESS OR DIZZINESS.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	1
SKIN IRRITATION	2
EYE IRRITATION	2A
SKIN SENSITIZATION	1
SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE	3
ASPIRATION HAZARD	1

PICTOGRAM(S)

PRECAUTIONARY STATEMENTS

PREVENTION:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof equipment. Use non-sparking tools. Take action to prevent static discharge. Wear protective gloves, eye protection and face protection. Wash thoroughly after handling. Avoid breathing mist, vapours or spray. Contaminated work clothing should not be allowed out of the workplace. Use only outdoors or in a well-ventilated area.
RESPONSE:	IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with plenty of water. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. In case of fire: Use foam, dry chemical, or carbon dioxide to extinguish.
STORAGE:	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
DISPOSAL:	Dispose of contents and/or containers to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

SEE SECTION 11 FOR ADDITIONAL TOXICOLOGICAL INFORMATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT(S)	CAS NUMBER	PERCENTAGE*
2-PROPANOL	67-63-0	60-100
GRAPHITE	7782-42-5	1-5

*EXACT PERCENTAGE IS A TRADE SECRET. Concentration range is provided to assist users in providing appropriate protections.

4. FIRST-AID MEASURES

INHALATION:	If mist or vapour of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.	**INGESTION:**	Get immediate attention. DO NOT induce vomiting unless directed to do so by medical personnel. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.
EYE CONTACT:	In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate attention.	**SKIN CONTACT:**	Immediately wash skin thoroughly with soap and water. If symptoms develop and persist, get medical attention.
SYMPTOMS:	See Section 11.		
NOTES TO PHYSICIAN:	This material, if aspirated into the lungs, may cause lipoid pneumonitis. Treat affected person appropriately.		

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:	Water Spray (Fog), Foam, Dry Chemical Or Carbon Dioxide.	**SPECIAL FIRE FIGHTING PROCEDURES:**	Wear full protective clothing. Wear self-contained breathing apparatus.
UNUSUAL FIRE OR EXPLOSION HAZARDS:	DANGEROUS when exposed to heat or flame. This material can be ignited by flame or spark under normal atmospheric conditions. Vapours are heavier than air and may travel to ignition sources and flash back.	**HAZARDOUS COMBUSTION PRODUCTS:**	Upon decomposition, this product emits carbon monoxide, carbon dioxide, and/or low molecular weight hydrocarbons.

6. ACCIDENTAL RELEASE MEASURES

Use Personal Protection Recommended In Section 8, Isolate The Hazard Area And Deny Entry To Unnecessary And Unprotected Personnel.

ENVIRONMENTAL PRECAUTIONS:	Prevent further leakage or spillage if safe to do so. Remove all sources of ignition. Wear appropriate protective equipment and clothing during clean up.	**CLEAN-UP METHODS:**	Collect spilled material with an inert absorbent such as sand or vermiculite. Place in properly labeled closed container. Dispose of according to federal, state, and local governmental regulations.

7. HANDLING AND STORAGE

HANDLING:	Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Avoid breathing vapours or mists of this product. Do not take internally. For industrial use only. Keep away from heat, spark, and flame. Ground and bond all equipment as required (when transferring products).	**STORAGE:**	For safe storage, store at or below <90 °F (<32.2 °F). Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Remove all sources of ignition.

For Information On Product Shelf Life, Please Review Labels On Container Or Check The Technical Data Sheet.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:	Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapours or mists generated from the handling of this product.	**RESPIRATORY PROTECTION:**	If ventilation is not sufficient to effectively prevent buildup of aerosols, mists, or vapours, appropriate NIOSH/MSHA respiratory protection must be provided.
EYE/FACE PROTECTION:	Wear chemical goggles; face shield (if splashing is possible).	**SKIN PROTECTION:**	Wear impervious gloves for prolonged contact. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

HAZARDOUS COMPONENT(s)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
2-PROPANOL	200 ppm TWA 400 ppm STEL	400 ppm (980 mg/m3)PEL	None	None
GRAPHITE	2 mg/m3 TWA Respirable Fraction.	5 mg/m3 PEL Respirable Fraction. 15 mg/m3 PEL Total Dust 15 MPPCF TWA	None	None

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Black Liquid	**ODOUR:**	Alcohol
pH:	Not Applicable	**ODOUR THRESHOLD:**	Not Available
DECOMPOSITION TEMPERATURE:	Not Available	**VAPOUR PRESSURE:**	32.1 mm hg
MELTING/FREEZING POINT:	<-89°C (<-128.2°F)/None	**INITIAL BOILING POINT/RANGE:**	35°C (95°F)/None
SPECIFIC GRAVITY:	0.77 – 0.81	**VAPOUR DENSITY:**	Not Determined
FLAMMABILITY (FLASH POINT):	11.1°C (51.98°F) Pensky Martens Closed Cup	**AUTO IGNITION TEMPERATURE:**	>398°C (>748.4°F)
FLAMMABLE/EXPLOSIVE LIMITS-LOWER:	2 %	**FLAMMABLE/EXPLOSIVE LIMITS-UPPER:**	12 %
EVAPORATION RATE:	1 (Butyl acetate=1)	**SOLUBILITY:**	Miscible
VISCOSITY:	50-200 cp	**VOC CONTENT:**	766 g/l
PARTITION COEFFICIENT (n-octanol/water):	Not Determined		

10. STABILITY AND REACTIVITY

STABILITY:	Stable at normal conditions.	**HAZARDOUS REACTIONS:**	None under normal processing.
INCOMPATIBLE MATERIALS:	This product may react with strong oxidizing agents.	**CONDITIONS TO AVOID:**	Heat, flames, sparks and other sources of ignition.
HAZARDOUS DECOMPOSITION PRODUCTS:	Upon decomposition, this product emits carbon monoxide, carbon dioxide, and/or low molecular weight hydrocarbons.	**REACTIVITY:**	Not Available

11. TOXICOLOGICAL INFORMATION

RELEVANT ROUTES OF EXPOSURE:	Skin, Inhalation, Eyes

POTENTIAL HEALTH EFFECTS/SYMPTOMS	
INHALATION:	This product is irritating to the respiratory system. Excessive inhalation of this material causes headache, dizziness, nausea, and incoordination.
SKIN CONTACT:	Prolonged or repeated skin contact may result in redness, burning sensation or dermatitis. A component in this product may be absorbed through the skin in harmful amounts.
EYE CONTACT:	This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness.
INGESTION:	Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury. May be harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. May cause dizziness, incoordination, headache, nausea, and vomiting.

Hazardous Component(s)	LD50S and LC50s	Immediate and Delayed Health Effects
2-Propanol	Oral LD 50 (RAT) = 5,045 mg/kg Oral LD50 (RABBIT) = 6,410 mg/kg Oral LD50 (RAT) = 4.7 g/kg Oral LD 50 (RABBIT) = 8.0 g/kg Oral LD50 (RABBIT) = 5.03 g/kg Dermal LD50 (RABBIT) = 12,800 mg/kg	Allergen, Blood, Brain, Central nervous System, Irritant, Kidney, Liver, Spleen
Graphite	None	Lung

HAZARDOUS COMPONENT(S)	NTP CARCINOGEN	IARC CARCINOGEN	OSHA CARCINOGEN (Specifically Regulated)
2-Propanol	No	No	No
Graphite	No	No	No

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not Available.

13. DISPOSAL CONSIDERATIONS

RECOMMENDED METHOD OF DISPOSAL:	Follow all local, state, federal, and provincial regulations for disposal.	**HAZARDOUS WASTE NUMBER:**	If discarded, this product is considered a RCRA ignitable waste, D001.

Information provided is for unused product only.

14. TRANSPORT INFORMATION

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

METHOD	US Department Of Transportation Ground (49CFR)	International Air Transportation (ICAO/IATA)	Water Transportation (IMO/IMDG)
PROPER SHIPPING NAME	ISOPROPANOL	ISOPROPANOL	ISOPROPANOL
HAZARD CLASS/DIVISION	3	3	3
IDENTIFICATION NUMBER	UN1219	UN1219	UN1219
PACKING GROUP	II	II	II

15. REGULATORY INFORMATION

UNITED STATES REGULATORY INFORMATION

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the toxic substances control act inventory.
TSCA 12(b) Export Notification: None above reporting de minimus.

CERCLA/SARA Section 302 EHS: None above reporting de minimus.
CERCLA/SARA Section 311/312: Immediate health, fire.
CERCLA/SARA Section 313: None above reporting de minimus.

California Proposition 65: No California proposition 65 listed chemicals are known to be present.

CANADA REGULATORY INFORMATION

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian domestic substances list.

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet Format

DISCLAIMER: The Data Contained Herein Are Furnished For Information Only And Are Believed To Be Reliable. However, Huron Industries Inc. does Not Assume Responsibility For Any Results Obtained By Persons Over Whose Methods Huron Industries Has No Control. It Is The User's Responsibility To Determine The Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein For A Particular Purpose, And To Adopt Such Precautions As May Be Advisable For The Protection Of Property And Persons Against Any Hazards That May Be Involved In The Handling And Use Of Any Huron Industries' Products. In Light Of The Foregoing, Huron Industries Specifically Disclaims All Warranties, Expressed Or Implied, Including Warranties Of Merchantability And Fitness For Particular Purpose, Arising From Sale Or Use Of Huron Industries' Products. Huron Industries Further Disclaims Any Liability For Consequential Or Incidental Damages Of Any Kind, Including Lost Profits. 1102MSDS

REVISION NUMBER:	2	**ISSUE DATE:**	04/02/15
PREPARED BY:	DEBRA HARDY Debra Hardy	**DATE PREPARED:**	04/02/15

Huron

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THE HOME OF COLLOIDAL GRAPHITE

TECHNICAL DATA SHEET

NEOLUBE NO. 2 LUBRICANT - COLLOIDAL GRAPHITE IN ISOPROPANOL

HIGH CHEMICAL PURITY • LOW HALOGEN CONTENT • DRY FILM LUBRICANT • NUCLEAR GRADE

NEOLUBE NO. 2 is an exceptionally stable compound of processed micro graphite and thermoplastic resin in isopropanol. Coatings are easily applied to an ultra-thin opaque film during manufacture or assembly by brush, spray or dipping; it dries in seconds to a slippery, lustrous, adherent film of purest graphite.

NEOLUBE NO. 2 is a dry film conductive lubricant used extensively at nuclear power generating plants and other nuclear facilities as an anti-seize compound, thread lubricant and for lubricating moving parts and rubbing surfaces. The thinness of the coating, coupled with high lubricity, provides clean long wearing lubrication without redesign of component dimensions.

NEOLUBE NO. 2 resist abrasion and lubricate threaded parts, moving parts and rubbing surfaces. This material allows easier assembly and nondestructive disassembly.

NEOLUBE NO. 2 have excellent radiation resistance and high chemical purity. It does not migrate and is non-freezable. **NEOLUBE NO. 2** provide a non-corrosive dry adherent lubrication for metal parts with limited clearances in applications where control of impurities is required.

NEOLUBE NO. 2 IS NOT RECOMMENDED FOR LUBRICATING THREADS IN THE REACTOR PRIMARY CONTAINMENT AREAS, WHERE OPERATING TEMPERATURES FOR THE FITTINGS ARE GREATER THAN 400°F. NEOLUBE NO. 1260 IS RECOMMENDED FOR USE IN CONTAINMENT AND/OR SECONDARY SIDE IN NUCLEAR APPLICATIONS. NEOLUBE NO. 2 IS NOT RECOMMENDED FOR USE IN AN OXYGEN ENVIRONMENT.

Mercury Certification: Instruments and equipment containing Mercury or compounds of Mercury are not used in the manufacture and packaging of **NEOLUBE NO. 2**, nor in testing or inspection, unless samples are discarded after tests. Compounds containing Boron are not used in cleaning, nor processing equipment, nor containers. There is no intentional addition of low melting point metals (Lead, Bismuth, Zinc, Mercury, Antimony, Cadmium or Tin) to this product, nor of Copper or Silver. This product is not approved by NSF for drinking water applications.

PHYSICAL PROPERTIES

Physical Properties (Wet Product)

Pigment:	Colloidal Graphite
Binder:	Thermoplastic Resin
Carrier:	Isopropanol
Diluents:	Isopropanol
Color:	Black
Temperature Range:	-70°F - 400°F
Flash Point:	52°F (11.11°C) Pensky-Martens Closed Tester
Consistency:	Thixotropic Gel
Density:	6.6 lb/gal (0.8 kg/l)
Shelf Life:	No Limit in Closed Container
VOC:	766 g/l (6.4 lb/gal)
Approximate Coverage:	63 sq. ft/gal@1mil

Physical Properties (As Cured)

Color:	Black
Coefficient of Friction:	0.19 (Static) (0.030 - 0.090) **
Service Temperature Continuous:	400°F (204°C) ***
Intermittent Temperature:	850°F (454°C)

Sheet Resistance: <2400 ohms/sq@25µm (1 mil) dry film thickness

The binder, which is present to prevent rub-off during assembly, slowly decomposes above 200°F (93°C).

PROVEN APPLICATIONS

Industrial applications of **NEOLUBE NO. 2** include those where oils or greases, because of their very nature, are inadequate or objectionable. Oils collect dust, burn off or congeal; drip, soil and insulate. When used within load limits, **NEOLUBE NO. 2** is an adequate substitute for oils or greases with none of their disadvantages. **(DO NOT USE NEOLUBE NO. 2 ON BALL OR ROLLER BEARINGS.)**

Other proven applications include:

1. Non-seize lubricant for bolts-metals-valves. Anti-seize lubricant for stainless steel bolts.
2. Lubrication coating that is dust free and clean for business machines, vending machines, clocks, locks, meter mechanisms, and piano and organ mechanisms (mating surfaces).
3. Lubricant for high pressure air fittings or hydraulic systems.
4. Lubricant for buss bars carrying contact shoes, high tension switch contacts. Reduces chatter, arcing and pitting.
5. Static bleeding of conveyor belts; lubricate conveyor chains in degreasing operations; reduce static on floors.
6. Excellent shielding properties for certain types of electric interference. Prevents radio wave interference. Maybe used in printed circuit techniques. Used for shielding tape recorder cases.
7. Coating for gaskets, grid coating for cathode ray tubes.
8. Cutting lubricant on difficult metal cutting jobs.
9. Ideal source for graphite films in nuclear applications.
10. Ideal where a dry film lubricant prevents soiling as in: knitting, weaving and lace making machines.
11. Excellent for die and mold pretreatment conditioners. Protects from atmospheric elements and aids in initial lubricant.
12. Internal combustion engine components (assembly and break-in).
13. Automotive and industrial gaskets.
14. Rubber components (assembly and break-in).
15. Opaque coating for film negatives.

STORAGE

Keep from freezing. Keep container tightly closed when not in use. Store in a cool, well ventilated area. Keep away from heat, sparks and open flame. Empty containers may retain hazardous properties. Follow all SDS/label warnings even after container is emptied.

PHYSICAL AND CHEMICAL REQUIREMENTS	
Solids Content By Weight	3.30% -3.70%
Total Halogen Content, ppm Fluorine, ppm Chlorine, ppm Sulfur, ppm (ppm=parts per million)	200 ppm (Maximum) 75 ppm (Maximum) 200 ppm (Maximum) 900 ppm (Maximum)
Odor	Characteristic of isopropanol, no odor of halogenated solvents shall be detected.
Hiding Power	1200.0000 (Minimum)

DIRECTIONS

MIX UNIFORMLY PRIOR TO USE. If dilution is required, use isopropanol (or equivalent) to the consistency required by the application method chosen. **NEOLUBE NO. 2** is intended for spray application, however, application by brush, dip or roller can be used. Always mix uniformly just prior to use.

Typical film thickness ranges from 0.2 to 0.5 mil (5-12 microns). A coating of 1 mil (25 microns) of **NEOLUBE NO. 2** is best built up by the application of 5 coats of 0.2 mil thickness by spray application.

SURFACE PREPARATION

Substrates to be coated must be clean and dry. A solvent wipe with air dry is sufficient for smooth surfaces. For porous surfaces, use the same procedure followed by heating to drive off entrapped contaminants, solvents or moisture.

CURING

The coating air dries to the touch in 5 minutes and is ready for use in 30 minutes. Following the air dry, bake for 5 minutes at 75°C (167°F) to achieve optimum coating qualities in a shorter curing cycle.

AVAILABLE SIZES

2 Ounce - Brush in Cap Bottle, Pint, Quart, Gallon and 5 Gallon Containers.

REGULATORY RATINGS

UN1219, Isopropanol, 3, II
ERG Guide 129 - Flammable Liquid
INFOTRAC: 1-800-535-5053 U.S. (HURON 89770)
HMIS = H1/F3/R0/PP-B
NFPA = H1/F3/R0/SH-N/A

Use the customary safeguards in storing, handling and applying flammable materials of this type. Insure adequate ventilation. A Safety Data Sheet is furnished with each shipment.

HEALTH & SAFETY

Flammable. Harmful if swallowed, inhaled, or absorbed through skin. May cause eye irritation. Wash thoroughly after handling. Keep away from heat, sparks, and open flame. Keep container tightly closed when not in use. Use with adequate ventilation. Avoid breathing vapor. See Safety Data Sheet for proper first aid instructions.

A product certification is available for each batch and shipment.

NEOLUBE is available certified to Military Specification MIL-L-24131 (Specify **NEOLUBE NO. 1**)

NEOLUBE products are not considered safety related goods. As such, they are not designed, fabricated, handled, shipped, stored, etc., under a quality assurance program, which complies with the requirements of 10CFR50 , Appendix B, 10CFR21, or ANSI.

*Also listed in some specifications as **NEOLUBE 'B'**.
**Machine Design - June 1967 - "*Torquing Stresses in Lubricated Bolts*"
***The binding resin, which is present to prevent rub-off during assembly, slowly decomposes above 200°F (93°C).

Printed in U.S.A. Revised: 05/02/2017

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1102DATA