SAFETY DATA SHEET

PROPLICE			TIFICATION	DRY FILM LUBRICANT		
PRODUCT IDE		NEOLUBE NO. 1 NEOLUBE NO. 2	PRODUCT TYPE:			
RECOMMEND	ED 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 16 th STREET PORT HURON, MI 4806			Medical Emergency Phone: Poison Control Center: 1-877-671-4608 (toil free) TRANSPORT EMERGENCY PHONE: INFOTRAC: 800-535-5053 Domestic (HURON 89770) INFOTRAC: +1-352-323-3500 International (HURON 89770)			
	MARKET STATES STATES AND ASSESSED.	2. HAZARD(S)	IDENTIFICATION	的自己的现在分词不够多的。		
			Y OVERVIEW			
DANGER:		EXTREMELY FLAMMABLE LIQUID AND MAY BE FATAL IF SWALLOWED AND E CAUSES SKIN IRRITATION. MAY CAUSE AN ALLERGIC SKIN REACT CAUSES SERIOUS EYE IRRITATION. MAY CAUSE DROWSINESS OR DIZZINE	INTERS AIRWAYS.			
	HAZAF	RD CLASS	HAZAI	RD CATEGORY		
FLAMMABLE L	IQUID		1			
SKIN IRRITATIO	ON		2			
EYE IRRITATIO	N		2A			
SKIN SENSITIZA	ATION		1			
SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE						
SPECIFIC TARG	ET ORGAN TOXICITY-	SINGLE EXPOSURE		3		
SPECIFIC TARG ASPIRATION H			FRAM(S)	3 1		
			GRAM(S)			
		PICTOG				
	Keep away from he and bond container discharge. Wear pro spray. Contaminal	PICTOG PRECAUTIONAF at, hot surfaces, sparks, open flames an and receiving equipment. Use explosi stective gloves, eye protection and face a ted work clothing should not be allowed	RY STATEMENTS d other ignition sources. No smoking on-proof equipment. Use non-spare protection. Wash thoroughly after hout of the workplace. Use only our of the workplace.	ng. Keep container tightly closed. Ground king tools. Take action to prevent stati andling. Avoid breathing mist, vapours o utdoors or in a well-ventilated area.		
ASPIRATION H	Keep away from he and bond container discharge. Wear prospray. Contaminal IF ON SKIN (or hair) irritation or rash oc present and easy to keep comfortable for CENTER or physician	PRECAUTIONAR at, hot surfaces, sparks, open flames an and receiving equipment. Use explosi tective gloves, eye protection and face plated work clothing should not be allowed Take off immediately all contaminates curs: Get medical attention. IF IN EYES: do. Continue rinsing. If eye irritation plates or breathing. Call a POISON CENTER of Do NOT induce vomiting. In case of	d other ignition sources. No smoking on-proof equipment. Use non-spar protection. Wash thoroughly after hout of the workplace. Use only out of the workplace. Use for several the workplace is the workplace of the workplace is the workplace of the workplace of the workplace is the workplace of the	ng. Keep container tightly closed. Ground king tools. Take action to prevent stationalling. Avoid breathing mist, vapours outdoors or in a well-ventilated area. E. Rinse skin with plenty of water. If sking veral minutes. Remove contact lenses, in the contact lenses, in the contact lenses, in the contact lenses. It was also well as the contact lenses are and wallowed: Immediately call a POISON was a contact lenses.		
PREVENTION:	Keep away from he and bond container discharge. Wear prospray. Contaminal IF ON SKIN (or hair) irritation or rash oc present and easy to keep comfortable for CENTER or physician	PRECAUTIONAR at, hot surfaces, sparks, open flames and receiving equipment. Use explosintective gloves, eye protection and face ated work clothing should not be allowed it. Take off immediately all contaminate curs: Get medical attention. IF IN EYES odo. Continue rinsing. If eye irritation por breathing. Call a POISON CENTER of	d other ignition sources. No smoking on-proof equipment. Use non-spar protection. Wash thoroughly after hout of the workplace. Use only out of the workplace. Use for several the workplace is the workplace of the workplace is the workplace of the workplace of the workplace is the workplace of the	ng. Keep container tightly closed. Ground king tools. Take action to prevent stationalling. Avoid breathing mist, vapours outdoors or in a well-ventilated area. E. Rinse skin with plenty of water. If sking veral minutes. Remove contact lenses, in the contact lenses, in the contact lenses, in the contact lenses. It was also well as the contact lenses are and wallowed: Immediately call a POISON was a contact lenses.		
PREVENTION: RESPONSE: STORAGE: DISPOSAL:	Keep away from he and bond container discharge. Wear prospray. Contaminat IF ON SKIN (or hair) irritation or rash oc present and easy to keep comfortable for CENTER or physician Store in a well-ventic Dispose of contents	PRECAUTIONAR at, hot surfaces, sparks, open flames and receiving equipment. Use explosing tective gloves, eye protection and face placed work clothing should not be allowed in the course of the medical attention. If IN EYES: to do. Continue rinsing, if eye irritation por breathing. Call a POISON CENTER of the course of th	d other ignition sources. No smoking on-proof equipment. Use non-spar protection. Wash thoroughly after hout of the workplace. Use only out of the workplace. If it is in the workplace is the workplace is the workplace in the workplace in the workplace is the workplace is the workplace in the wor	ng. Keep container tightly closed. Grounking tools. Take action to prevent stationalling. Avoid breathing mist, vapours outdoors or in a well-ventilated area. E. Rinse skin with plenty of water. If skiveral minutes. Remove contact lenses, WHALED: Remove person to fresh air an WALLOWED: Immediately call a POISOI on dioxide to extinguish.		
PREVENTION: RESPONSE: STORAGE: DISPOSAL:	Keep away from he and bond container discharge. Wear prospray. Contaminat IF ON SKIN (or hair) irritation or rash oc present and easy to keep comfortable for CENTER or physician Store in a well-ventic Dispose of contents	PRECAUTIONAR at, hot surfaces, sparks, open flames and receiving equipment. Use explosing tective gloves, eye protection and face placed work clothing should not be allowed in the course of the medical attention. If IN EYES: to do. Continue rinsing, if eye irritation por breathing. Call a POISON CENTER of the course of th	d other ignition sources. No smoking on-proof equipment. Use non-spar protection. Wash thoroughly after hout of the workplace. Use only out of the workplace. Use on the workplace. Use on the workplace. Use on the workplace of the unwell. IF Source: Use foam, dry chemical, or carbiginate in the workplace of the United Store Inches of the United Store Inch	ng. Keep container tightly closed. Ground king tools. Take action to prevent stati andling. Avoid breathing mist, vapours outdoors or in a well-ventilated area. E. Rinse skin with plenty of water. If sking veral minutes. Remove contact lenses, in the		

	of Classification and Lab	eling of Chemic	cals (GHS).
	SEE SECTION 11 FOR AD	DITIONAL TOXI	COLOGICAL INFORMATION
	3: COMPOSITION/INFOR	RMATION ON I	NGREDIENTS
HAZARDOUS C	OMPONENT(S) CAS NUMBER		PERCENTAGE*
2-PROPANOL	67-63-0		60-100
GRAPHITE	7782-42-5		1-5
*EXACT PERCE	NTAGE IS A TRADE SECRET. Concentration range is provided	to assist users	in providing appropriate protections.
	4. FIRST-A	D MEASURES	kana semakanan selatu di kanan di di kanan kanan kepada di
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.		<u> </u>
NOTES TO PHYSICIAN:	This material, if aspirated into the lungs, may cause li	poid pneumon	itis. Treat affected person appropriately.

EXTINGUISHING MEDIA:	Water Spray (Fog), Foam, D Carbon Dioxide.	5. FIRE FIGH ater Spray (Fog), Foam, Dry Chemical Or arbon Dioxide.				Wear full protective clothing. 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.		COMBUSTION PRODUCTS:		Upon decomposition, this product emi carbon monoxide, carbon dioxide, and/or lo molecular weight hydrocarbons.		
		ACCIDENTAL					574-5769368675
	ction Recommended In Section 8,						· · · · · · · · · · · · · · · · · · ·
PRECAUTIONS: Rem	ent further leakage or spillage if ove all sources of ignition. We ective equipment and clothing du	CLEAN-UP 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.					
			AND STORAG				
thorough mists of industrial flame. ((when tra	intact with eyes, skin, and clo ly after handling. Avoid breath this product. Do not take in use only. Keep away from he Ground and bond all equipment insferring products).	ing vapours or nternally. For eat, spark, and nt as required					
For In	formation On Product Shelf Life,						ST succession of the section of
CONTROLS:	Provide local and general exhaus effectively remove and prevent vapours or mists generated from this product.	buildup of any the handling of	RESPIRATORY PROTECTION:		prevent buildi appropriate protection mu	is not suffic up of aerosols NIOSH/MS ust be provide	d
				SKIN PROTECTION: Wear impervious gloves for contact. Gloves should be to determine suitability for prolonged Use of impervious apron and be recommended.			d be tested prolonged conta
Employers should complet equipment for each task p HAZARDOUS COMPONENT		s to determine t	the need for, ar	nd selection o	f, proper expos	ure controls a	ind protective
2-PROPANOL	200 ppm TWA 400 ppm STEL	400 ppm (980 mg/m3)P	EL	None		None	
GRAPHITE	2 mg/m3 TWA Respirable Fraction.	5 mg/m3 PEL Respirable Fra 15 mg/m3 PEL Total Dust 15 MPPCF TWA		None		None	
	9. P	HYSICAL AND CH		ERTIES			Angelia ang ti
APPEARANCE:	Black Liquid	ı	ODOUR:			Alcohol	
oH:	Not Applica	ble	ODOUR THRES	SHOLD:		Not Available	2
DECOMPOSITION TEMPERA	ATURE: Not Availab	le	VAPOUR PRES	SURE:		32.1 mm hg	
MELTING/FREEZING POINT	: <-89°C (<-1	28.2°F)/None	INITIAL BOILING POINT/RANGE: 35°C (95°F)/None				
SPECIFIC GRAVITY:	0.77 – 0.81		VAPOUR DENS	SITY:		Not Determi	ned
FLAMMABILITY (FLASH POI	98°F) ens Closed Cup	AUTO IGNITION TEMPERATURE: >398°C (>748.4°F)					
LAMMABLE/EXPLOSIVE LI	MITS-LOWER: 2 %		FLAMMABLE/	EXPLOSIVE LIF	MITS-UPPER:	12 %	
VAPORATION RATE:	1 (Butyl ace	tate=1)	SOLUBILITY:			Miscible	
/ISCOSITY:	50-200 ср		VOC CONTENT	:		766 g/l	
ARTITION COEFFICIENT (n							
		O. STABILITY A					
TABILITY: NCOMPATIBLE	Stable at normal conditions. This product may react with st	rong oxidizing	CONDITIONS T		None under no Heat, flames,	•	ng. other sources
MATERIALS:	agents.				ignition	In annual	
IAZARDOUS DECOMPOSITION PRODUCTS:	Upon decomposition, this produ carbon monoxide, carbon dioxid molecular weight hydrocarbons.	e, and/or low	REACTIVITY:		Not Available		
		TOXICOLOGIC					
RELEVANT ROUTES OF EXPO	OSURE:		Skin, Inhalation	n, Eyes			

this material causes headache, dizziness, nausea, and Incode SKIN CONTACT: Prolonged or repeated skin contact may result in redness, its sensation or dermatitis. A component in this product may through the skin in harmful in redness, its sensation or dermatitis. A component in this product may through the skin in harmful in redness, its sensation or dermatitis. A component in this product may through the skin in harmful in amounts. EYE CONTACT: INGESTION: INGESTION: Small amounts of this product, if aspirated into the lungs, in to severe pulmonary injury. May be harmful if swallowed can cause gasterinteetinal limitation, nauses, vernifing, and can exceed particles, incoordination, headache, nausea, and wor of the product of the same particles. The same particles are departed free and Delayed Heiler and Delayed Hei	N N	 		POTENTIAL HEA	ALTH	EFFECTS/SYMPTOMS				
Prolonged or repeated skin contact may result in redends the sensation or demands. A component in this product nay through the skin in harmful amounts. EYE CONTACT: This product is severely irritating to the eyes and nay cause damage including burns and bifuncates. The eyes and may cause damage including burns and bifuncates. Small amounts of this product, if aspirated into the lungs, in to severe pulmonary injury. May be harmful if swallowed can cause gastrointestinal irritation, nearlacke, nauses, available, and cause disprises, incordination, hearlacke, nauses, available, and cause disprises, and incordination, hearlacke, nauses, available, and cause disprises, and incordination, hearlacke, nauses, available, and cause disprises, and incordination, hearlacke, nauses, available, and provincial proposed in this section. It is not specific to any package/complete in this section of the provincial provincia					This product is irritating to the respiratory system. Excessive inhalation of					
Sensation or dermatible. A component in this product may through the skin in harmful amounts. This product is severely irritating to the eyes and may cause damage including burns and blindness.										
This product is severely irritating to the eyes and may cause damage including burns and billioness.	SKIN CONTACT:					sensation or dermatitis.	A compone	ent in this product may be absorbed		
INGESTION: Small amounts of this product, if agricated into the lungs, may to severe pulmonary injury. May be harmful if swallowed can cause gastrointestinal irritation, accounced in the lungs, may to severe pulmonary injury. May be harmful if swallowed can cause gastrointestinal irritation, accounced in the lungs, may to severe pulmonary injury. May be harmful if swallowed can cause gastrointestinal irritation, accounced in the lungs, may to severe pulmonary injury. May be harmful if swallowed can cause gastrointestinal irritation, accounted in the lungs, may to severe pulmonary injury. May be harmful if swallowed can cause gastrointestinal irritation, accounted in the lungs, may to severe pulmonary injury. May be harmful if swallowed can cause gastrointestinal irritation, accounted in the lungs, may to severe pulmonary injury. May be harmful if swallowed can cause gastrointestinal irritation, headache, nausea, and vor immediate and Delayed Her Canadian Canad	EYE CONTACT:									
to severe pulmonary injury. May be harmfulf it was allowed can cause gastrointestinal irritation, nauses, womiting, and cause dizziness, incoordination, headache, nausea, and vom immediate and Delayed Her Propanol 2-Propanol Oral LD 50 (RAT) = 5,043 mg/kg Oral LD50 (RAT) = 5,430 mg/kg Oral LD50 (RABBIT) = 6,430 mg/kg Oral LD50 (RABBIT) = 8,0 g/kg Oral LD50 (RABBIT) = 8,0 g/kg Oral LD50 (RABBIT) = 8,0 g/kg Oral LD50 (RABBIT) = 5,03 g/kg Oral LD50 (RABBIT) = 12,800 mg/kg Oral LD50 (RABBIT) = 5,000 mg/kg Oral LD50 (RABBIT) = 12,800 mg/kg Oral LD50 (RABBIT) = 5,000 mg/kg Oral LD50 (RABBIT) = 5,000 mg/kg Oral LD50 (RABBIT) = 12,800 mg/kg Oral LD50 (RABBIT) = 5,000 mg/kg Oral LD50 (RABBIT) = 12,800 mg/kg Oral LD50						damage including burns	and blindnes	is.		
Cause dizziness, Incoordination, headache, nausea, and vor	INGESTION:				Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury. May be harmful if swallowed. Ingestion					
Hazardous Component(s) 2-Propanol Oral LDS (0 (RAT) = 5,0415 mg/kg Oral LDS (0 (RAT) = 4.7 g/kg Oral LDS (0 (RAT) = 1,2 g/kg Oral										
Carl LD 50 (RAT) = 5,045 mg/kg	Hazardous Co	mponent(s)		LD5	50S a					
Oral LD50 (RAT) = 4.7 g/kg Oral LD50 (RABBIT) = 8.0 g/kg Oral LD50 (RABBIT) = 5.0 g/kg Oral LD50 (RABBIT) = 1.2 800 mg/kg IND IND IARC CARCINOGEN SOBRA CARCI (Specifically RR ORAL NO N		····		Oral LD 50	(RAT	T) = 5,045 mg/kg				
Capabilite				Oral LD50 (RAT) = 4.7 g/kg Oral LD 50 (RABBIT) = 8.0 g/kg Oral LD50 (RABBIT) = 5.03 g/kg		Allergen, Blood, Brain, Central nervous System, Irritant, Kidney, Liver, Spleen				
2-Propanol No	Graphite				•			Lung		
Transport No	·	IT(S)	NT	P CARCINOGEN		IARC CARCINOG	EN	OSHA CARCINOGEN (Specifically Regulated)		
ECOLOGICAL INFORMATION: Not Available. 13. DISPOSAL CONSIDERATIONS	2-Propanol			No		No		No		
RECOMMENDED Follow all local, state, federal, and provincial METHOD OF regulations for disposal. Information provided is for unused product only. Information provided in this section only applies to the material/formulation itself, and is not specific to any package/comment of transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/comment of transportation (ICAO/IATA) International Air Transportation (ICAO/IATA) Water Transportation (ICAO/IATA) Water Transportation (ICAO/IATA) Isopropania Isopr	Graphite							No		
RECOMMENDED Follow all local, state, federal, and provincial METHOD OF regulations for disposal. 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/co METHOD US Department of Transportation Ground (ICAO/IATA) US Department of Transportation International Air Transportation (ICAO/IATA) US Department of Transportation Ground (ICAO/IATA) ISOPROPANOL ISOPRO				12. ECOLO)GIC/	ALINFORMATION				
RECOMMENDED Follow all local, state, federal, and provincial METHOD OF regulations for disposal. Information provided is for unused product only. 14. TRANSPORT INFORMATION	ECOLOGICAL INFORMATION	ON: No	t Available.		20 20 12		complete a felicientos (1)	no pare la gradita de la como especial de la como especial de la como especial de la como especial de la como e		
Information provided is for unused product only. 14. TRANSPORT INFORMATION 15. REGULATORY in actions: None above reporting de minimus. 15. Regulatory in proposition 65: No California proposition (16. Page Page Page Page Page Page Page Page				Control of the Contro			2000 (1000) 10011	Lattice and active considered a RCDA		
The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/co METHOD US Department Of Transportation Ground (49CFR) ISOPROPANOL ISO	METHOD OF			federal, and province	cial					
PROPER SHIPPING ISOPROPANOL IN	The transport informa		rtment Of Tr	14. TRANS ion only applies to the ansportation	POR e ma	IT INFORMATION terial/formulation itself, ar ernational Air Transportat		Water Transportation		
NAME HAZARD CLASS/DIVISION IDENTIFICATION NUMBER PACKING GROUP II II IS. REGULATORY INFORMATION TSCA 8 (b) Inventory Status: TSCA 12(b) Export Notification: None above reporting de minimus. CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: CERCLA/SARA Section 313: None above reporting de minimus. CERCLA/SARA Section 313: None above reporting de minimus. CERCLA/SARA Section 313: None above reporting de minimus. CAlifornia Proposition 65: No 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 status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt from listing on the Canadian domestic status are listed on or are exempt fro				· ' ' '						
IDENTIFICATION NUMBER PACKING GROUP II II II II II II III III I	- '		ISOPROPAN	IOL ISOPROPANOL		·				
PACKING GROUP II II II II III III III III			3		3					
UNITED STATES REGULATORY INFORMATION TSCA 8 (b) Inventory Status: TSCA 12(b) Export Notification: 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. CERCLA/SARA Section 313: None above reporting de minimus. 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 significant of 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 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. 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. 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. The Suffer Methods Herein Are Furnished For Information Only And Are Believed To Be Reliable. The Suffer Methods Herein Are Furnished For Information Only And Are Believed To Be Reliable. The Suffer Methods Herein Are Furnished For Information Only And Are Believed To Be Reliable. The Suffer Methods Herein Are Furnished For Information The Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suffer Methods Mentioned Herein Are Suffer Methods Mentioned Herein Are Suffer Me			UN1219		UN1219			UN1219		
UNITED STATES REGULATORY INFORMATION TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the toxic substances control 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 states are stated on the 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 Over Whose Methods Huron Industries Inc. does Not Assume Responsibility For Any Production Methods Mentioned Herein Are Furnished For Information Only And Are Believed To Be Reliable. This safety data Sheet Contained Herein Are Furnished For Information Only And Are Believed To Be Reliable. The Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Furnished For Information The Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suitability Of Huron Industries I	PACKING GROUP		II			II		II		
TSCA 8 (b) Inventory Status: TSCA 12(b) Export Notification: None above reporting de minimus. CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: Immediate health, fire. CERCLA/SARA Section 313: None above reporting de minimus. 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 si 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 Over Whose Methods Huron Industries Inc. does Not Assume Responsibility For Any Production Methods Mentioned Herein Are Furnished For Information Only And Are Believed To Be Reliable. This safety Data Contained Herein Are Furnished For Information Only And Are Believed To Be Reliable. This safety Data Contained Herein Are Furnished For Information Only And Are Delieved To Be Reliable. The Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suitability Of Huron Industries' Products Or Any Production Methods Mentioned Herein Are Suitability Of Huron Industries Inc. Suitability Of Huron Industries Inc. Suitability Of Huron I			arang Setis.	15. REGUL	ATOF	RY INFORMATION				
CANADA REGULATORY INFORMATION CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian domestic states. 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 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 Hu	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. None above reporting de minimus. CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: Immediate health, fire. None above reporting de minimus. None above reporting de minimus.									
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 Over Whose Methods Huron Industries Has No. Control. It is The Liser's Responsibility To Determine The Suitability Of Huron Industries' Products Or Any Production Methods Mentioned His	CANADA REGULATORY IN	FORMATION								
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 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 Hu	CEPA DOL/INL	os status:	Markan State							
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 India Light Of The Foregoing, Huron Industries Specifically Disclaims All Warranties, Expressed Or Implied, Including Warranties Of Merchantability And Fitness For Particular Purpose, Arising From Study Industries' Products. Huron Industries Further Disclaims Any Liability For Consequential Or Incidental Damages Of Any Kind, Including Lost Profits. 1102MSDS	DISCLAIMER: The Data Contained He Over Whose Methods Huron Industr Purpose, And To Adopt Such Precauti Light Of The Foregoing, Huron Industr	rein Are Furnishe ies Has No Conti ions As May Be A tries Specifically	ed For Information rol. It is The Use Idvisable For The F Disclaims All Warr	tions: New Safety Data Sheet F Only And Are Believed To Be or's Responsibility To Determin Protection Of Property And Pe anties, Expressed Or Implied,	Format Reliatine The ersons A	ble. However, Huron Industries Inc. 5 Suitability Of Huron Industries' Pro Against Any Hazards That May Be Inv ling Warranties Of Merchantability A	ducts Or Any Prod olved In The Hand and Fitness For Pa	duction Methods Mentioned Herein For A Particular Iling And Use Of Any Huron Industries' Products. In Inticular Purpose, Arising From Sale Or Use Of Huron		
REVISION NUMBER: 2 ISSUE DATE: 04/02/15										



INDUSTRIES, INC.

PO BOX 610104 • PORT HURON, MI 48061-0104

PHONE: (810) 984-4213 • FAX: (810) 987-4199 • E-mail: neolube@comcast.net

THE HOME OF COLLOIDAL GRAPHITE

TECHNICAL DATA SHEET

NEOLUBE NO. 1 LUBRICANT - COLLOIDAL GRAPHITE IN ISOPROPANOL

APPLICATION: NUCLEAR POWER GENERATING PLANTS, NUCLEAR REACTORS, COMMERCIAL AND NAVAL

Neolube No. 1 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 composition of this material is 99% pure furnace graphite particles, a thermoplastic resin and isopropanol. The material has excellent radiation resistance and high chemical purity. The thin, non-corrosive film of **Neolube No. 1** prevents seizing, fretting, galling and resists abrasion. It is easy to apply by spray, dip or brush and has excellent adhesion after a fast air dry. The dry film of **Neolube No. 1** will not migrate and is unaffected by frost.

Neolube No. 1 has satisfied the stringent requirements for lubricating the internal and auxiliary equipment mechanisms of commercial and naval nuclear reactor systems. **Neolube No. 1** allows easy assembly, trouble-free operation and non-destructive disassembly. **Neolube No. 1** provides non-corrosive, dry adherent lubrication for metal parts with limited clearances in applications were control of impurities is required.

Neolube No. 1 is <u>NOT RECOMMENDED FOR LUBRICATING THREADS IN THE REACTOR PRIMARY CONTAINMENT AREAS</u>, 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. **NOT RECOMMENDED FOR USE IN OXYGEN SYSTEMS.**

A Certificate of Quality Conformance and Analysis is available for each lot upon request.

Physical and Chemical Requirements	MIL-L-24131C
Total Solids Content, weight percent Graphite Content, percent of total solids	3.3% ± 0.50% 75% ± 5%
Particle size, microns Maximum dimension of 90% of the particles Maximum dimension of any particle	4 Microns 10 Microns
Ash, weight percent, maximum on total solids Fluorine, parts per million, maximum on total solids Chlorine, parts per million, maximum on total solids Sulfur, parts per million, maximum on total solids Lead, parts per million, maximum on total solids	0.75% 20 PPM 200 PPM 200 PPM 150 PPM
Film Properties (regular & irregular surfaces): Adherence	The coated surface shall be dry and shall not become exposed when subjected to light abrasion.
Spalling	Film continuity shall not be broken, metal surfaces shall not be exposed.
Appearance	Dry, non-oily.
Odor	Characteristic of isopropanol, no odor of halogenated solvents shall be detected.

Mercury: 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 the test. During the manufacturing processes, tests, and inspection, Neolube No. 1 did not come in contact with mercury or any of its compounds nor any mercury-containing devices employing a single boundary of containment. Compounds containing boron were not used in cleaning, processing equipment, or 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. MeOH is not a component of Neolube No. 1. This product is not approved by NSF for drinking water applications.

Physical Properties (As Supplied)

Lubricant

Processed micro graphite

Binder

Thermoplastic Resin

Diluent Consistency Isopropanol Liquid

Density

Liquid 6.6 lb./gal (0.791 kg/l) Shelf Life

Flash Point

Color

Solids Content

No limit in a closed container

52°F (11°C)

Biack

3.30% ± 0.50%

(As a Cured Coating)

Service Temperature

400°F (204°C)

Intermittent Temperature

850°F (454°C)

Coefficient of Friction

0.15 (Static)

Dilution:

Neolube No. 1, is supplied in a ready-for-use form conforming to the requirements of MIL-L-24131C. If further dilution is required by the application, add isopropanol while mixing uniformly.

Method of Use:

Substrates should be clean and dry before application. A solvent wipe and air dry is usually sufficient. For critical applications requiring maximum adhesion, mechanical or chemical pretreatment such as grit blasting, phosphating, anodizing or etching is recommended.

Application:

Mix uniformly before using. Apply with the brush in cap applicator or by conventional spray, brush or dip methods.

Cure Time:

Material air dries in approximately 5 minutes, depending on temperature and humidity.

Packaging:

Neolube No. 1 is packaged in 2 ounce and 8 ounce non-halogenated plastic bottles with a brush in cap applicator.

Precautions:

Employ the customary safeguards in storing, handling and applying flammable materials of this type. Use with adequate local exhaust ventilation if product is sprayed. Avoid prolonged contact with eyes, skin, and clothing. (See the Safety Data Sheet for proper first aid instructions.) Containers must be tightly resealed to prevent evaporation and contamination.

Qualification Approval:

Approving organization is the Naval Ship Engineering Center, Hyattsville, Maryland 20782. The date of the approval letter is 21 June 1974, Test Report Number (QPL) 10744.

PLEASE NOTE: "NEOLUBE PRODUCTS ARE NOT CONSIDERED SAFETY-RELATED GOODS. AS SUCH, THEY ARE NOT DESIGNED, FABRICATED, HANDLED, SHIPPED, STORED, ETC., UNDER A QUALITY ASSURANCE PROGRAM THAT COMPLIES WITH THE REQUIREMENTS OF 10CFR50, APPENDIX B, 10CFR21, OR ANSI STANDARDS."

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to decide suitability for the user's purchase of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, Huron Industries, incorporated specifically disclaims all warranties of merchantability or fitness or a particular purpose arising from sale or use of Huron's products. Huron industries, Inc., specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits. The discussion herein of various processes or compositions is not being interpreted as representation that they are free from domination of patents owned by others or as a license under any Huron Industries's patents that may cover such processes or compositions. We recommend that each prospective user test the proposed application to determine its suitability for the purposes intended before incorporating any product or application in its manufacturing process using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications. The recording of false, fictitious or fraudulent statements or entries on this document may be punished as a felony under Federal Statutes including Federal Law, Title 18, Chapter 47.

Compreh: 2017 by Huron Industries Inc.

Compreh: 2017 by Huron Industries Inc.

Compreh: 2017 by Huron Industries Inc.