


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 16 th 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 Hazard Communication 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 medical 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 lipid 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 all 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
2-PROPANOL	200 ppm TWA 400 ppm STEL	400 ppm (980 mg/m3)PEL	None
GRAPHITE	2 mg/m3 TWA Respirable Fraction.	5 mg/m3 PEL Respirable Fraction. 15 mg/m3 PEL Total Dust 15 MPPCF TWA	None
OTHER			None
9. PHYSICAL AND CHEMICAL PROPERTIES			
PHYSICAL STATE:	Liquid	ODOUR:	Alcohol
COLOR:	Black	ODOUR THRESHOLD:	Not Available
DECOMPOSITION TEMPERATURE:	Not Available	VAPOUR PRESSURE:	32.1 mm hg
MELTING POINT RANGE:	Not Determined	BOILING POINT/RANGE:	35°C (95°F)
SPECIFIC GRAVITY:	0.77 – 0.81	VAPOUR DENSITY:	Not Determined
FLASH POINT:	11.1°C (51.98°F) Pensky Martens Closed Cup	AUTO IGNITION TEMPERATURE:	Not Determined
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
pH:	Not Applicable		
10. STABILITY AND REACTIVITY			
STABILITY:	Stable at normal conditions.	HAZARDOUS REACTIONS:	Will not occur.
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/NDL 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 4, 5, 9, 10 and 15. 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. NEOLUBE® is a Registered Trademark of Huron Industries, Inc. 1102MSDS			
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PREPARED BY:		DEBRA HARDY <i>Debra Hardy</i>	

