


SAFETY DATA SHEET

| 1. IDENTIFICATION | | | |
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| PRODUCT IDENTIFIER: | NEOLUBE® NO. 1.1 | PRODUCT TYPE: | DRY FILM LUBRICANT |
| RECOMMENDED USE: | LUBRICANT | REGION: | UNITED STATES |
| E-MAIL: | orders@neolube.global | WEBSITE: | https://neolube.com |
| 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 VAPOR. 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) | | | |
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| 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, vapors, 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 vapor 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. FIREFIGHTING MEASURES | | | | |
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| 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. Vapors 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 vapors 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 vapors or mists generated from the handling of this product. | RESPIRATORY PROTECTION: | If ventilation is insufficient to effectively prevent buildup of aerosols, mists, or vapors, appropriate NIOSH/MSHA respiratory protection must be provided. | |
| EYE/FACE PROTECTION: | Wear chemical goggles and; 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 | | | | |
| PHYSICAL STATE: | Liquid | ODOUR: | Alcohol | |
| COLOR: | Black | ODOUR THRESHOLD: | Not Available | |
| DECOMPOSITION TEMPERATURE: | Not Available | VAPOR PRESSURE: | 32.1 mm hg | |
| MELTING POINT RANGE: | Not Determined | BOILING POINT/RANGE: | >35°C (>95°F) | |
| SPECIFIC GRAVITY: | 0.7 – 0.8 | VAPOR DENSITY: | Not Determined | |
| FLASHPOINT: | 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: | Disperses in water as a suspension | |
| VISCOSITY: | 20-40 cp | VOC CONTENT: | 766 g/l | |
| pH: | Not Applicable | | | |
| 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 | | | |
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| 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 | |
| 2-Propanol | | Oral LD50 (RAT) = 5,045 mg/kg Oral LD50 (MOUSE) = 3,600 mg/kg Oral LD50 (RABBIT) = 6,410 mg/kg Oral LD50 (RAT) = 4.7 g/kg Oral LD50 (MOUSE) = 4.5 g/kg Oral LD50 (RABBIT) = 8.0 g/kg Oral LD50 (RABBIT) = 5.03 g/kg Dermal LD50 (RABBIT) = 12,800 mg/kg | |
| Graphite | | None | |
| | | Lung | |
| HAZARDOUS COMPONENT(S) | | NTP CARCINOGEN | |
| 2-Propanol | | No | |
| Graphite | | No | |
| | | IARC CARCINOGEN | |
| 2-Propanol | | No | |
| Graphite | | No | |
| | | OSHA CARCINOGEN (Specifically Regulated) | |
| 2-Propanol | | No | |
| Graphite | | No | |
| 12. ECOLOGICAL INFORMATION | | | |
| ECOLOGICAL INFORMATION: Not Available. | | | |
| 13. DISPOSAL CONSIDERATIONS | | | |
| RECOMMENDED METHOD OF DISPOSAL: | | HAZARDOUS WASTE NUMBER: | |
| Follow all local, state, federal, and provincial regulations for disposal. | | 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 | | | |
| EU REACH Annex XVII: To the best of our knowledge, this product does not contain substances which are listed in the current Annex XVII to the REACH Regulation (EC) No 1907/2006 at 0,1 weight% or higher. | | | |
| EU REACH Annex XIV: To the best of our knowledge, this product does not contain substances which are listed in the current version of Annex XIV (substances subject to Authorisation) at a percentage of 0,1 weight% or higher. | | | |
| EU REACH SVHC : To the best of our knowledge, this product does not contain substances which are listed in the current version of the candidate list of Substances of Very High Concern (SVHC) at a percentage of 0,1 weight% or higher | | | |

Disclaimer:

This safety data sheet contains changes from the previous version in sections: 16

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| PREPARED BY: DEBRA HARDY | | | <i>Debra Hardy</i> |