

HURON INDUSTRIES INC -- NEOLUBE NO 1

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MSDS Safety Information
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FSC: 9150
NIIN: 00-926-8963
MSDS Date: 11/05/1999
MSDS Num: CKGBW
Product ID: NEOLUBE NO 1
MFN: 03
Responsible Party
Cage: 03432
Name: HURON INDUSTRIES INC
Box: 610104
City: PORT HURON MI 48061
Info Phone Number: 810-9
84-4213; 602-929-4400
Emergency Phone Number: 800-255-3924 CHEM.TEL

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Item Description Information
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Item Manager: S9G
Item Name: GRAPHITE,COLLOIDAL
Specification Number: UNKNOWN
Type/Grade/Class: NONE
Unit of Issue: CO
Quantitative Expression: 00000000002OZ
UI Container Qty: T
Type of Container: UNKNOWN

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Ingredients
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Name: *** PROPRIETARY ***

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Health Hazards Data
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LD50 LC50 Mixture: NOT PROVIDED.
Route Of Entry Inds - Inhalation: YES
Skin: NO
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: INHALATION: EXCESSIVE INHALATION OF VAPORS OR MISTS CAN
CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZIN

ESS, NAUSEA, HEADACHE, OR SUFFOCATION. INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. EYE: MAY CAUSE SEVERE IRRITATION, BURNING SENSATION, BLURRED VISION. SKIN: REPEATED OR PROLONGED CONTACT CAN CAUSE IRRITATION AND DERMATITIS. CHRONIC: THIS PRODUCT CONTAINS GRAPHITE WHICH CAN ACCUMULATE IN LUNG TISSUE AFTER LONG-TERM EXPOSURE TO THE DUST. DUST FROM SANDING AND GRINDING COATED SURFACES MAY BE HARMFUL.

Explanation Of Carcinogenicity: NONE

Signs And

Symptoms Of Overexposure: INHALATION: EXCESSIVE INHALATION OF VAPORS OR MISTS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, NAUSEA, HEADACHE, OR SUFFOCATION. INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. EYE: MAY CAUSE SEVERE IRRITATION, BURNING SENSATION, BLURRED VISION. SKIN: REPEATED OR PROLONGED CONTACT CAN CAUSE IRRITATION AND DERMATITIS.

Medical Cond Aggravated By Exposure: NONE KNOWN.

First Aid: INHALATION: REMOVE TO FRESH AIR. APP

LY ARTIFICIAL RESPIRATION AND

OTHER SUPPORTIVE MEASURES AS REQUIRED. CONSULT A POISON CONTROL CENTER, EMERGENCY ROOM OR LUNG SPECIALIST FOR ADDITIONAL INFORMATION. INGESTION: DO NOT INDUCE VOMITING. EYE: FLUSH EYES IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 3 MINUTES. SKIN: FLUSH IMMEDIATELY WITH PLENTY OF WATER, FOLLOWED BY WASHING WITH SOAP AND WATER.

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Handling and Disposal
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Spill Release Procedures: SHUT OFF IGNITION SOURCES; NO FLARES, SMOKING OR FLAMES IN HAZARD AREA. STOP LEAK IF YOU CAN DO IT WITHOUT RISK. WATER SPRAY MAY REDUCE VAPOR; BUT IT MAY NOT PREVENT IGNITION IN CLOSED SPACES. SMALL SPILLS: TAKE UP WITH SAND OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR LATER DISPOSAL. LARGE SPILLS: DIKE FAR AHEAD OF LIQUID SPILL FOR LATER DISPOSAL.

Waste Disposal Methods: CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THIS PRODUCT. CONSULT WITH FEDERAL, STATE AND LOCAL WASTE REGULATIONS.

Handling And Storage Precautions: STORE AT AMBIENT TEMPERATURE. KEEP CONTAINER CLOSED. LOOSEN CLOSURE CAUTIOUSLY BEFORE OPENING. STORE IN COOL, WELL VENTILATED PLACE AWAY FROM INCOMPATIBLE MATERIALS. KEEP AWAY FROM HEAT, SPARKS AND FLAME. PROTECT MATERIAL FROM DIRECT SUNLIGHT. GROUND AND BOND CONTAINERS WHEN TRANSFERRING MATERIALS.

Other Precautions: EMPTY CONTAINERS MAY RETAIN HAZARDOUS PROPERTIES

IES. FOLLOW ALL
MSDS/LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED.

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Fire and Explosion Hazard Information
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Flash Point Method: TCC

Flash Point: =11.1C, 52.F

Autoignition Temp: =327.8C, 622.F

Autoignition Temp Text: MIN

Lower Limits: 2.0

Upper Limits: 12.0

Extinguishing Media: SMALL FIRES: DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR ALCOHOL-RESISTANT FOAM. LARGE FIRES: WATER SPRAY , FOG OR ALCOHOL-RESISTANT FOAM.

Fire Fighting Procedures: USE SELF-CONTAINED BREATHING SUPPLY. MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK. APPLY COOLING WATER TO SIDES OF CONTAINERS EXPOSED TO FLAMES UNTIL WELL AFTER FIRE IS OUT. STAY AWAY FROM ENDS OF TANKS. FOR MASSIVE FIRE IN CARGO AREA, USE UNMANNED HOSE HOLDER OR WITHDRAW FROM AREA AND LET FIRE BURN.

Unusual Fire/Explosion Hazard: VAPORS MAY TRAVEL TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINER MAY EXPLODE IN HEAT OF FIRE. VAPOR EXPLOSION HAZARD INDOORS, OUTDOORS OR IN SEWERS. RUNOFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD.

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Control Measures
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Respiratory Protection: IF THE TLV IS EXCEEDED, A MECHANICAL OR SELF-CONTAINED BREATHING APPARATUS IS ADVISED.

Ventilation: PROVIDE SUFFICIENT MECHANICAL VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves: CHEMICAL RESISTANT GLOVES.

Eye Protection: VAPOR TIGHT CHEMICAL-TYPE SPLASH GOGGLES WHEN SPLASHING OR SPRAYING THE LIQUID.

Other Protective Equipment: NO SPECIAL EQUIPMENT DEEMED NECESSARY UNDER NORMAL USAGE.

Work Hygienic Practices: NOT PROVIDED

Supplemental Safety and Health: FIRE MAY PRODUCE IRRITATING OR POISONOUS GASES. RUNOFF FROM FIRE CONTROL OR DILUTION WATER MAY CAUSE POLLUTION.

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Physical/Chemical Properties
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HCC: F1

Boiling Point: =35.C, 95.F

M.P/F.P Text: NOT PROVIDED

Decomp Text: NOT PROVIDED

Vapor Pres: 31.20

Vapor Density: >1

Spec Gravity: 0.80

PH: NOT PROVIDED

VOC Grams/Liter: 766

Viscosity: NOT PROVIDED

Solubility in Water: NO

Appearance and Odor: BLACK LIQUID, SHARP ODOR.

Percent Volatiles by Volume: 98

Corrosion Rate: NOT PROVIDED

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Reactivity Data

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Stabilit

y Indicator: YES

Stability Condition To Avoid: NONE

Materials To Avoid: STRONG OXIDIZERS

Hazardous Decomposition Products: CO, CO2

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NONE

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Toxicological Information

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Toxicological Information: NOT PROVIDED

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Ecological Information

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Ecological: NOT PROVIDED

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MSDS Transport Information

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Transport Information: PROPER SHIPPING NAME: ISOPROPANOL. UN NUMBER: UN1219.

HAZARD CLASS: 3 - FLAMMABLE LIQUIDS. PACKING GROUP: I I.

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Regulatory Information

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Sara Title III Information: NOT PROVI

DED
Federal Regulatory Information: NOT PROVIDED
State Regulatory Information: NOT PROVIDED

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Other Information
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Other Information: EMERGENCY ACTION: KEEP UNNECESSARY PEOPLE AWAY. ISOLATE HAZARD AREA AND DENY ENTRY. STAY UPWIND; KEEP OUT OF LOW AREAS. POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND STRUCTURAL FIREFIGHTERS' PROTECTIVE CLOTHING WILL PROVIDE LIMITED PROTECTION. ISOLATE FOR 1/2 MILE IN ALL DIRECTIONS IF TANK, RAIL CAR OR TANK TRUCK IS INVOLVED IN FIRE. IF WATER POLLUTION OCCURS, NOTIFY APPROPRIATE AUTHORITIES. WITHDRAW IMMEDIATELY IN CASE OF RISING SOUND FROM VENTING SAFETY DEVICE OR ANY DISCOLORATION OF TANK DUE TO FIRE.

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Transportation Information
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Responsible Party Cage: 03432
Trans ID NO: 152229
Product ID: NEOLUBE NO 1
MSDS Prepared Date: 11/05/1999
Review Date: 04/04/2000
MFN: 3
Net Unit Weight: 0.125 LB
Limited Quantity IND: Y
Multiple KIT Number: 0
Unit Of Issue: CO
Container QTY: T
Type Of Container: UNKNOWN
Additional Data: PROPER SHIPPING NAME, UN ID NUMBER, HAZARD CLASS, AND PACKING GROUP PER MSDS. LIMITED QUANTITIES ARE EXEMPT FROM LABELING AND PLACARDING; UNLESS OFFERED FOR TRANSPORTATION BY AIR. SEE 49CFR 173.150.

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Detail DOT Information
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DOT PSN Code: HWY
DOT Proper Shipping Name: ISOPROPANOL OR ISOPROPYL ALCOHOL
Hazard Class: 3
UN ID Num: UN1219
DOT Packaging Group: II
Label: FLAMMABLE LIQUID
Special Provision: T1
Packaging Exception: 150
Non Bulk Pack: 202
Bulk Pack: 242
Max Qty Pass: 5 L
Max Qty Cargo: 60 L
Vessel Stow Req: B

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Detail IMO Information
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IMO PSN Code:

ITA
IMO Proper Shipping Name: ISOPROPANOL
IMDG Page Number: 3244
UN Number: 1219
UN Hazard Class: 3.2
IMO Packaging Group: II
Subsidiary Risk Label: -
EMS Number: 3-06
MED First Aid Guide NUM: 305

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Detail IATA Information
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IATA PSN Code: ONH
IATA UN ID Num: 1219
IATA Proper Shipping Name: ISOPROPANOL
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
UN Packing Group: II
Packing Note Passen
ger: 305
Max Quant Pass: 5L
Max Quant Cargo: 60L
Packaging Note Cargo: 307

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Detail AFI Information
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AFI PSN Code: ONH
AFI Proper Shipping Name: ISOPROPANOL
AFI Hazard Class: 3
AFI UN ID NUM: UN1219
AFI Packing Group: II
Special Provisions: P5
Back Pack Reference: A7.3

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HAZCOM Label
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Product ID: NEOLUBE NO 1
Cage: 03432
Company Name: HURON INDUSTRIES INC
Street: 2301 16TH ST
PO Box: 610104
City: PORT HURON MI
Zipcode: 48061-0104
Health Emergency Phone: 800-255-3924 CHEM.TEL
Label Required IND: Y
Date Of Label Review: 04/04/2000
Status Code: A
MFG Label NO: NOT PROVIDED
Label Date: 11/05/1999
Year Procured: 2000
Origination
Chronic Hazard IND: Y
Eye Protection IND: NO
Skin Protection IND: YES
Signal Word: DANGER
Respiratory Protection IND: NO
Health Hazard: Moderate
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Contact Hazard: Slight

Fire Hazard: Severe

Reactivity Hazard: None

Hazard And Precautions: HEALTH HAZARD: IRRITANT. IMMEDIATE AND DELAYED TARGET ORGANS EFFECTS: PULMONARY DISFUNCTIONS: LUNG DAMAGE-SHORTNESS OF BREATH, CHEST TIGHTNESS, COUGH. CUTANEOUS HAZARDS: SKIN DAMAGE-RASHES, IRRITATION , DEFATTING OF SKIN. EYE HAZARDS: IMPAIRED VISION CONJUNCTIVITIS, CORNEAL DAMAGE.

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