

HURON INDUSTRIES, INC. -- NEOLUBE NO.1, DRY FILM LUBRICANT (GRAPHITE IN

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MSDS Safety Information
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FSC: 9150
NIIN: 00-926-8963
MSDS Date: 06/22/1999
MSDS Num: BZNSD
Product ID: NEOLUBE NO.1, DRY FILM LUBRICANT (GRAPHITE IN ISOPROPANOL)
MFN: 02
Responsible Party
Cage: 03432
Name: HURON INDUSTRIES, INC.
Address: 2301 1
6TH STREET
Box: 104
City: PORT HURON MI 48060-0104
Info Phone Number: 810-984-4213
Emergency Phone Number: 810-984-4213/800-255-3924(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: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry Inds - Inhalation: YES
Skin: NO
Ingestion: YES
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO
Effects of Exposure: MAY BE POISO

NOUS IF INHALED OR ABSORBED THRU SKIN.VAPORS
MAY CAUSE DIZZINESS OR SUFFOCATION.CONTACT MAY IRRIT OR BURN SKIN/EYES.FIRE
MAY PRODUCE IRRIT OR POISONOUS GASES.RUNOFF FROM FIRE CONTROL OR DI LUTION
WAQTER MAY CAUSE POLLUTION.

Explanation Of Carcinogenicity: PER MSDS:CARCINOGENICITY:NTP/IARC/
OSHA:NA.

Signs And Symptions Of Overexposure: INHAL:EXCESS INHAL VAP/MIST CAUSE
NASAL/RESP IRRIT,DIZZ,NAU,HEAD.INGEST:CAN CAUSE GI
IRRIT,NAU,VOMIT,DIARR.EYE:CAUSE SEVERE IRRIT,BURN SENS,BLURRED
VIS

ION.SKIN:REP/PROL CONTACT CAUSE IRRIT,DERM.MAY BE POISONOUS IF
INHAL/ABSORB THRU SKIN.VAPCAUSE DIZZ,SUFFOCATION.CONTACT IRRIT/BURN SKIN/EYE.

Medical Cond Aggravated By Exposure: NONE KNOWN.

First Aid: INHAL:REMOVE TO FRESH AIR.CALL EMERG MED CARE.BREATH DIFFI ADMIN
OXY;BREATH STOP GIVE ART RESP.INGEST:KEEP VICTIM CALM.SEEK MED ATTN
IMMED.EYE:FOUSH W/RUNNING H2O FOR @LEAST 15MINS.LIFT UPPER/LOWER LI DS.SEEK
MED ATTN IMEMD.SKIN:WASH W/SOAP/WATER.REMOVE/ISOLATE CONTAM CLOTH/SHOES
@SITE

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mp; LAUNDER BEF REUSE.

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Handling and Disposal

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Spill Release Procedures: SHUT OFF IGN SOURCES;NO FLARES/SMOKING/FLAME IN HAZ
AREA.STOP LEAK W/O RISK.WATERSPRAY MAY REDUCE VAP;BUT MAY NOT PREVENT IGN IN
CLSD SPACES.SM SPILL:TAKEUP W/SAND/OTHER NONCOMBUST ABSORBENT MATL.PLAC E
INTO CNTNRS FOR LATER DISPO.LG:DIKE AHEAD OF LIQ

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste D

isposal Methods: CONSULT LOCAL, STATE AND FEDERAL REGULATIONS.

Handling And Storage Precautions: AVOID PROL INHAL OF MISTS OR VAPORS.

Other Precautions: KEEP UNNECESSARY PEOPLE AWAY;ISOLATE HAZ AREA/DENY
ENTRY.STAY UPWIND,KEEP OUT OF LOW AREAS.+PRESS SCBA,STRUCT FIREFIGHT PROT
CLOTH PROVIDE LIMITED PROT.ISOLATE 1/2MI IN ALL DIRECTIONS-TK/RAILCAR/TK TR
UCK IN FIRE.H2O POLLUTION OCCURS NOT AUT

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Fire and Explosion Hazard Information

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Flash Point Method: TCC

Flash Point Text: 52.0F,11.1C

Autoignition Temp Text: 622F

Lower Limits: 2.0

Upper Limits: 12.0

Extinguishing Media: SM FIRE:DRY CHEM,CO2,H2OSPRAY,ALCOHOL-RESIST FOAM.LG
FIRE:H2OSPRAY,FOG/ALCOHOL-RESIST FOAM.DONT USE DRY CHEM TO (SUPPLE)

Fire Fighting Procedures: USE SELF-CONTAIN BREATH SUPPLY.MOVE CNTNR FRM FIRE
AREA IF CAN W/O RISK.APPLY COOL H2O TO CNTNRS SIDES EXPO TO FLAMES TIL WELL
AFT FIRE OUT.STAY AWAY FRM(

SUPPL)

Unusual Fire/Explosion Hazard: FLAMM/COMBUST MATL.IGN BY HEAT/SPARK/FLAME.VAP TRAVEL TO IGN SOURCES,FLASHBK.CNTNR MAY EXPLO IN FIRE HEAT.VAP EXPLO HAZ INDR/OUTDR/SEWER.RUNOFF TO SEWER(SUPPLE)

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

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

Protective Gloves: SOLVENT RESISTANT GLOVES

Eye Protection: CHEMICAL SPLASH GOGGLES

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

Work Hygienic Practices: NONE.

Supplemental Safety and Health: FIRE EXT:CONTROL FIRES INVOLVING NITROMETHANE OR NITROETHANE. FIREFIGHT:TANKS ENDS.MASSIVE FIRE IN CARGO AREA USE UNMANNED HOSE HOLDER/MONITOR NOZZ;IF IMPOSSIBLE W/D FRM AREA & LET FIRE BURN.W/D IMMED IN CASE OF RISING SOUND FRM VENTI SAF DEVICE/ANY DISCOLORATION OF TANK DUE TO FIRE. FIRE/EXPLO:CREATE FIRE/EXPLO HAZ.

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Physical/Chemical Properties
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HCC: F2

Vapor Pres: 31.20

Vapor Density: NA

Spec Gravity: 0.79

VOC Grams/Liter: 766

Evaporation Rate & Reference: NA

Solubility in Water: NIL

Appearance and Odor: GREY FLUID, SHARP ODOR

Percent Volatiles by Volume: 98

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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: PER MSDS:NONE. :KEEP AWAY FRM SPARK/OPN FLAMES/OTHER SOURCES OF IGNITION.

Materials To Avoid: STRONG OXIDIZERS

Hazardous Decomposition Products: CO, CO2.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NONE SPECIFIED BY MANUFACTURER.

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Toxicological Informati

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Ecological Information
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MSDS Transport Information
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Transport Information: PROPER SHIPPING NAME: IOSPROPANOL, UN1219, HAZARD CLASS 3, PACKING GROUP II.
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Regulatory Information
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Other Information
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Transportation Information
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Responsible Party Cage: 03432
Trans ID NO: 92497
Product ID: NEOLUBE NO.1, DRY FILM LUBRICANT (GRAPHITE IN ISOPROPANOL)
MSDS Prepared Date: 06/22/1999
Review Date: 07/16/1998
MFN: 2
Tech Entry NOS Shipping Nm: ISOPROPANOL
Net Unit Weight: 2 FL OZ
AF MMAC Code: NR
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: CO
Container QTY: T
Type Of Container: UNKNOWN
Additional Data: PER MSDS: PROPER SHIPPING NAME: ISOPROPANOL, UN 1219, 3, FLAMM LIQ, PKG II.
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Detail DOT Information
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DOT PSN Code: HWY
DOT Proper Shipping Name: ISOPROPANOL OR ISOPR

OPYL 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: OOG
IATA UN ID Num: 1219
IATA Proper Shipping Name: ISOPROPYL ALCOHOL
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
UN Packing Group: II
Packing Note Passenger: 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, DRY FILM LUBRICANT (GRAPHITE IN ISOPROPANOL)
Cage: 03432
Company Name: HURON INDU

STRIES INC

Street: 2301 16TH ST

PO Box: 610104

City: PORT HURON MI

Zipcode: 48061-0104

Health Emergency Phone: 810-984-4213\800-255-3924(CHEM.TEL)

Label Required IND: Y

Date Of Label Review: 07/16/1998

Status Code: C

MFG Label NO: UNKNOWN

Label Date: 07/16/1998

Origination Code: F

Chronic Hazard IND: Y

Eye Protection IND: YES

Skin Protection IND: YES

Signal Word: CAUTION

Respiratory Protection IND: YES

Health Hazard: Moderate

Contact Hazard: Slight

Fire Hazard: Severe

Reactivity Hazard: None

Haz

ard And Precautions: MAY BE POISONOUS IF INHALED OR ABSORBED THRU

SKIN.VAPORS MAY CAUSE DIZZINESS OR SUFFOCATION.CONTACT MAY IRRIT OR BURN

SKIN/EYES.FIRE MAY PRODUCE IRRIT OR POISONOUS GASES.RUNOFF FROM FIRE CONTROL

OR DI LUTION WAQTER MAY CAUSE POLLUTION. AVOIDPROL INHAL OF MISTS OR VAPORS.

FIRST AID: INHAL:REMOVE TO FRESH AIR.CALL EMERG MED CARE.BREATH DIFFI ADMIN

OXY;BREATH STOP GIVE ART RESP.INGEST:KEEP VICTIM CALM .SEEK MED ATTN

IMMED.EYE:FOUSH W/RUNNING H2O FOR @LEAST 15MINS.LI

FT UPPER/LOWERLIDS.SEEK MED

ATTN IMEMD.SKIN:WASH W/SOAP/WATER.REMOVE/ISOLATE CONTAM CLOTH/SHOES @SITE

& LAUNDER BEF REUSE.TARGET ORGANS :CNS/SKIN/EYES.

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