

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION			
CHEMICAL NAME & SYNONYMS: Graphite/mineral Oil/petrolatum Paste		TRADE NAME & SYNONYMS: Neolube No. 1260	
CHEMICAL FAMILY: Graphite/mineral Oil / Petrolatum Paste		FORMULA: Trade Secret	
PROPER DOT SHIPPING NAME: Graphite Thread Sealant		DOT HAZARD CLASSIFICATION: N/A	
MANUFACTURER: 03432 Huron Industries, Inc.		MANUFACTURER'S PHONE NUMBER: 810-984-4213	
MANUFACTURER'S ADDRESS: PO Box 610104 / Port Huron, MI 48061		Huron Industries, Inc., ER Company: INFOTRAC 24-Hour Number: 1-800-535-5053	
PREPARED BY: Debra Sullivan <i>Debra Sullivan</i>		DATE PREPARED: January 4, 2011	
2. COMPOSITION/INFORMATION ON INGREDIENTS			
PRINCIPAL HAZARDOUS COMPONENTS	PERCENT	ACGIH (TLV)	OSHA (PEL)
Graphite (7782-42-5)	40-60	2.0 mg/m ³ Respirable	2.5 mg/m ³ Respirable
White Mineral Oil (8042-47-5)	25-50	5.0 mg/m ³ (Mist)	5.0 mg/m ³ (Mist)
Petrolatum Usp (8009-03-8)	05-25	5.0 mg/m ³ (Mist)	5.0 mg/m ³ (Mist)
Crystalline Silica (14808-60-7) (See Section 16, Item 2)	<0.3	0.05 mg/m ³ Respirable	10 mg/m ³ Respirable % SiO ₂ +2
3. HAZARDS IDENTIFICATION			
*****EMERGENCY OVERVIEW*****			
Product Does Not Release Hazardous Substances in Normal Use. Oil Mist May Be Formed at Elevated Temperatures. Flash Point Is 320°F (160°C).			
THRESHOLD LIMIT VALUE: Section II	OSHA THRESHOLD LIMIT VALUE: Section II	ACGIH THRESHOLD LIMIT VALUE: Section II	
CARCINOGEN - NTP PROGRAM: N/A		CARCINOGEN-IARC PROGRAM: See Section 10, Item 1	
SYMPTOMS OF OVEREXPOSURE ACUTE: High Concentration of Graphite Dusts May Be Irritating to the Eyes, Skin, Mucous Membranes and Respiratory Tract. High Concentrations of Mineral Oil Vapors and Mists May Be Irritating to the Eyes, Skin, Mucous Membrane and Respiratory Tract. Liquid Mineral Oil Is Moderately Irritating to the Skin. Ingestion of the Product Is Considered Unlikely, However, Mineral Oil May Be Irritating to the Mouth, Esophagus, and Stomach and Cause Abdominal Cramps and Diarrhea. CHRONIC: Inhalation of High Concentrations of Graphite Dusts over Prolonged Periods of Time May Cause Graphite Pneumoconiosis. Symptoms Can Include: Cough, Shortness of Breath and Decrease in Pulmonary Function. Prolonged Dermal Contact with Mineral Oil May Cause Dermatitis. Some Susceptible Individuals May Develop an Allergic Sensitization to Mineral Oil. If an Individual Becomes Sensitized to a Material, They Should Be Removed from All Future Contact with the Material. After Sensitization Has Occurred, Any Exposure, However Minimal, Will Cause the Symptoms to Appear. Pre-existing Pulmonary Disorders Such as Emphysema May Possibly Be Aggravated by Prolonged Exposure to High Concentrations of Graphite Dusts. Pre-existing Dermal and Respiratory Hyper Sensitivities May Possibly Be Aggravated by Exposure to Mineral Oil Mists, Vapors or Liquids. Inhalation of High Concentrations of Crystalline Silica Dusts over Prolonged Periods of Time May Cause Silicosis, a Progressively Debilitating Lung Disease. The Symptoms Are Similar to Those Cited above for Pneumoconiosis. (See Section 16, Item 2.) Inhalation of High Concentrations of Crystalline Silica over Prolonged Periods of Time Has Also Been Liked to an Increased Incidence of Lung Cancer. (See Section 11)			
PRIMARY ROUTE(S) OF ENTRY: Inhalation of Dusts and Mists Generated During Processing and Handling and Dermal and Ocular Contact with Liquids or Solids.			
PHYSICAL HAZARDS: Graphite Dusts Are Electrically Conductive. Accumulations of Dusts May Cause Shorting of Electrical Circuits. Care Should Be Taken to Seal Electrical Circuits and Switches That May Be Affected. Dusts Should Not Be Emitted to the Atmosphere Where They May Settle on and Cause Shorting of Outside Electrical Equipment.			
4. FIRST AID MEASURES			
INHALATION	For Overexposure to Fumes, Vapors or Particulate Matter Remove the Exposed Person to Fresh Air. If Breathing Is Difficult Oxygen May Be Administered. Seek Medical Attention. If Breathing Has Stopped, Artificial Respiration Should Be Started Immediately. Seek Medical Attention		
EYE CONTACT	If Material Enters the Eye, Flush with Water for at Least 15 Minutes. Seek Medical Attention If Irritation Develops or Persists		
SKIN CONTACT	If Material Gets on the Skin, Wash Thoroughly with Mild Soap and Water. Seek Medical Attention If Irritation Develops or Persists. Dermatitis Should Be Treated Symptomatically by a Physician.		
INGESTION	Ingestion Is Not Expected to Be an Important Route into the Body. If, However, the Material Is, Do Not Induce Vomiting. Vomitus May Be Aspired into the Lungs and Cause Pulmonary Edema, Chemical Pneumonia or Hemorrhage. Never Give Anything by Mouth to an Unconscious Person. Seek Medical Attention		
5. FIRE FIGHTING MEASURES			
FLASH POINT (TEST METHOD): 320°F (160°C) COC		AUTO IGNITION TEMPERATURE: Not Determined	
FLAMMABLE LIMITS: Not Determined		LEL: Not Determined	UEL: Not Determined
EXTINGUISHING MEDIA: Use Carbon Dioxide, Dry Chemical or Foam.			
SPECIAL FIRE FIGHTING PROCEDURES: Material in for near Fires Should Be Cooled with a Water Spray or Fog.			
UNUSUAL FIRE & EXPLOSION HAZARDS: Thermal Decomposition or Combustion May Produce Smoke, Oxides of Carbon and Low Molecular Weight Organic Compounds Whose Composition Has Not Been Characterized.			
ESTIMATED HMIS RATINGS: HEALTH - 1 FLAMMABILITY - 0 REACTIVITY - 0 PERSONAL PROTECTION - X			
ESTIMATED NFPA RATINGS: HEALTH - 1 FLAMMABILITY - 0 REACTIVITY - 0 SPECIFIC HAZARD - N/A			

6. ACCIDENTAL RELEASE MEASURES

Eliminate Potential Sources of Ignition, Isolate Spill, and Keep All Unauthorized Personnel Well Clear of the Area Unless Wearing Appropriate Protective Clothing. See Section 8. Shovel into Dot-approved Containers for Transfer to an Approved Disposal Site. Absorb Residue with Clay, Sand or Other Suitable Material. Flush with Water Containing Detergent. Collect Water for Disposal. Do Not Allow Material or Rinse Water to Enter Storm or Sanitary Sewers, Groundwater or Soil. Releases May Be Reportable to Local, State or Federal Authorities. Consult Federal, State or Local Regulatory Requirements for More Information

7. HANDLING AND STORAGE

Store in Labeled, Closed Containers Away from Heat, Spark, Open Flames and Other Sources of Ignition. Do Not Store with or near Incompatible Chemicals Cited in Section 10. Do Not Let Dust from Material Accumulate in the Workplace. Promptly Clean up Any Spills That May Occur. Any Dusts Generated During Handling or Processing Should Be Cleaned up by Wet Mopping or Vacuuming. Dry Sweeping Can Resuspend Particulate Matter in the Atmosphere.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Chemical Splash Goggles Should Be Worn to Prevent Eye Contact with Mists and Particulate Matter.

SKIN PROTECTION: Neoprene Gloves Are Recommended to Prevent Skin Contact During Processing and Handling Operations.

RESPIRATORY PROTECTION (SPECIFIC TYPE): If Exposures Exceed the Limits Cited in Section 2 by less than a Factor of 10, Use a NIOSH Approved Organic Vapor Respirator Equipped with a Dust/mist Prefilter.

VENTILATION RECOMMENDED: If Dusts Are Generated During Processing or Use, Local Exhaust Ventilation Should Be Provided to Maintain Exposures below the Limited Cited in Section 2.

OTHER PROTECTION: All Chemical Should Be Handled So as to Prevent Eye Contact and Excessive or Repeated Skin Contact. Appropriate Eye and Skin Protection Should Be Employed. Inhalation of Dusts and Vapors Should Be Avoided.

9. PHYSICAL DATA

BOILING POINT: >600 - 620°F

SPECIFIC GRAVITY: 1.5 - 1.7

VAPOR DENSITY (mm Hg.): <1 mm Hg @ 70°F

% VOLATILE BY VOLUME: 40-60%

VAPOR DENSITY (AIR = 1): Not Determined

EVAPORATION RATE (BUOAC = 1): Not Applicable

% SOLUBILITY IN WATER: Insoluble

pH: N/A

APPEARANCE & ODOR: Gray-black Paste – Odor None

MELT POINT: 115°F

10. STABILITY REACTIVITY

CONDITIONS CAUSING INSTABILITY: Material Is Stable in Closed Containers at Room Temperature.

INCOMPATIBILITY

MATERIAL TO AVOID: Avoid Contact with Strong Oxidizing Agents.

HAZARDOUS DECOMPOSITION PRODUCTS: See Section 5 for Possible Combustion And/or Thermal Decomposition Products. These Would Be Expected Only During Emergency Conditions.

SPECIAL SENSITIVITY: None That Are Known.

11. Toxicological Information

Graphite Oral Ld50 Rat >5 G/kg

The Crystalline Silica Component of this Formulation Is Listed as an Animal Carcinogen and a Known Human Carcinogen by the International Agency for Research on Cancer (IARC).

12. Ecological Information

Bioaccumulation Is Not Expected, as Graphite Is Insoluble in Water

13. Disposal Considerations

Material Should Be Disposed of in Accordance with All Applicable Federal, State and Local Regulations. Contact Your Local or State Environmental Agency for Specific Requirements.

14. Transport Information

Not Applicable

15. Regulatory Information

ALL COMPONENTS ARE LISTED ON

US: TSCA

EC: EINECS

CANADA: DSL

CERCLA REPORTABLE QUANTITY

Not Applicable

RCRA STATUS

Not Applicable

Sara Title III

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES

Not Applicable

SECTION 311/312 HAZARD CATEGORIES

Not Applicable

SECTION 313 TOXIC CHEMICALS

Not Applicable

State Regulatory Information

Warning: the Crystalline Silica Component of this Formulation Has Been Identified as a "Chemical Known to Cause Cancer" by the State of California.

Component Name: Crystalline Silica

Cas Number: 14808-60-7

Concentration: <0.3%

16. Other Information

Notice from Huron Industries, Inc. The Data in this Material Safety Data Sheet Relate Only to the Specific Material Designed Herein and Do Not Relate to Use in Combination with Any Other Material or in Any Process. The Information Contained Herein Is Based on Available Scientific Literature Obtained by Huron Industries, Inc., and Is Current as of the Date of this Material Safety Data Sheet. Huron Industries, Inc., Makes No Representation as to the Accuracy of the Scientific Literature on Which it Has Relied in the Preparation of the Material Safety Data Sheet. Since the Use of this Information and These Opinions and the Conditions of Use of the Product Are Not Within the Control of Huron. Industries, Inc. it Is the User's Obligation to Determine the Conditions of Safe Use of this Product.

1. This Product Is WHMIS Controlled D2a.

2. Personnel Samples Taken During Cut-part Fabrication Showed Non-detectable Levels of Crystalline Silica.

101260MSDS