

# SAFETY DATA SHEET

01 January 2017

<b>SECTION 1: PRODUCT AND COMPANY IDENTIFICATION</b>			
PRODUCT NAME:	Phil BIO-LUBE		
PRODUCT NUMBER(S):	LBL000, LBLG00		
COMPANY IDENTIFICATION:	Phil Wood & Co. 1125 North 7 <sup>th</sup> Street San Jose, CA 95112 United States of America  Telephone: 408 298-1540 Fax: 408 298-9016 Email: <a href="mailto:sales@philwood.com">sales@philwood.com</a>  EMERGENCY PHONE NUMBER: CHEMTREX EMERGENCY RESPONSE 1-800-424-9300		
RECOMMENDED USE:	General Bicycle, Chain, and Cable Lubricant.		
<b>SECTION 2: HAZARD(S) IDENTIFICATION</b>			
CLASSIFICATION:	Not classified as hazardous according to 29 CFR 1910.1200 (2012).		
HAZARDS NOT OTHERWISE CLASSIFIED:	Not Applicable		
<b>SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS</b>			
COMPONENTS	CAS NUMBER	%	EC-No. REACH Registration No.
Vegetable Oil	120962-03-0	80-100	273-315-5
<b>SECTION 4: FIRST-AID MEASURES</b>			
DESCRIPTION OF FIRST AID MEASURES:	Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water. Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse. Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice. Inhalation: No specific first aid measures are required.		
MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:	IMMEDIATE HEALTH EFFECTS Eye: Not expected to cause prolonged or significant eye irritation. Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin. Ingestion: Not expected to be harmful if swallowed. Inhalation: Not expected to be harmful if inhaled Notes to physician: Treat symptomatically. DELAYED OR OTHER HEALTH EFFECTS: Not classified Indication of any immediate medical attention and special treatment needed: Not Applicable.		
<b>SECTION 5: FIRE-FIGHTING MEASURES</b>			
EXTINGUISHING MEDIA:	Use water fog, foam, dry chemical or carbon dioxide (CO <sub>2</sub> ) to extinguish flames. Do not use water jet as an extinguisher, as it will spread the fire.		
PROTECTION OF FIRE FIGHTERS:	Fire Fighting Instructions: This material will burn although it is not easily ignited. See Section 7 for proper handling and storage. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-		

	contained breathing apparatus.
	COMBUSTION PRODUCTS: Thermal decomposition may produce smoke, oxides of carbon and lower molecular weight organic compounds whose composition have not been characterized.
<b>SECTION 6: ACCIDENTAL RELEASE MEASURES</b>	
PROTECTIVE MEASURES:	Eliminate all sources of ignition in vicinity of spilled material.
SPILL MANAGEMENT:	Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.
REPORTING:	Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at 1-800-424-8802 as appropriate or required.
<b>SECTION 7: HANDLING AND STORAGE</b>	
GENERAL HANDLING INFORMATION:	Wear appropriate personal protective equipment. Avoid inhalation of oil mist and contact with skin and eyes. Handle and open container with care. Use work methods which minimize production of vapors and mists. Observe good industrial hygiene practices.
PRECAUTIONARY MEASURES:	Keep out of the reach of children.
STORAGE:	Keep away from heat, sparks and open flame. Store in a cool and well-ventilated place. Store away from incompatible materials.
<b>SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
GENERAL CONSIDERATIONS:	No exposure limits noted for ingredient(s)
ENGINEERING CONTROLS:	Use in a well-ventilated area.
PERSONAL PROTECTIVE EQUIPMENT	Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice. Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Wear protective gloves. Nitrile gloves are recommended. Suitable gloves can be recommended by the glove supplier. Respiratory Protection: No respiratory protection is normally required. In case of inadequate ventilation or risk of inhalation of oil mist, suitable respiratory equipment with combination filter (type A2/P2) can be used.
ENVIRONMENTAL EXPOSURE CONTROLS:	Contain spills and prevent releases and observe national regulations on emissions.
HYGIENE MEASURES:	Handle in accordance with good industrial hygiene and safety practices. Wash hands after handling. Launder contaminated clothing before reuse.
<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>	
Attention: The data below are typical values and do not constitute a specification.	
APPEARANCE:	Oily Liquid
PHYSICAL STATE:	Liquid
FORM:	Liquid
COLOR:	Green
ODOR:	Characteristic vegetable oil
ODOR THRESHOLD:	Not available

pH:	Not available
BOILING POINT:	Not available
FLASHPOINT:	305 °C (581 °F)
FLAMMABILITY:	341 °C (645 °F)
FLAMMABILITY (EXPLOSIVE) LIMITS (% BY VOLUME IN AIR) LOWER:	Not available
FLAMMABILITY (EXPLOSIVE) LIMITS (% BY VOLUME IN AIR) UPPER:	Not available
VAPOR PRESSURE:	<0.5 mm Hg @ 20 °C (68 °F)
RELATIVE DENSITY (AIR=1):	0.92
SOLUBILITY:	Practically insoluble in water
PARTITION COEFFICIENT (n-octanol/water):	Not available
VISCOSITY:	44 cst @ 40°C (104°F)
VAPOR DENSITY:	> 1 (Air = 1)
EVAPORATION RATE:	< 1 (n-Butylacetate = 1)
MELTING POINT:	Not available
FREEZING POINT:	Not available
AUTO-IGNITION TEMPERATURE:	Not available
VOC:	0 %
<b>SECTION 10: STABILITY AND REACTIVITY</b>	
REACTIVITY:	Stable at normal conditions.
CHEMICAL STABILITY:	Stable at normal conditions.
CONDITIONS TO AVOID:	High temperatures. Exposure to light. Contact with incompatible materials.
MATERIALS TO AVOID:	Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	At thermal decomposition temperatures, carbon monoxide and carbon dioxide. Nitrogen oxides.
HAZARDOUS POLYMERIZATION:	Hazardous polymerization does not occur.
<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>	
SKIN CORROSION/IRRITATION:	Causes skin irritation.
SKIN SENSITIZATION:	The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals.
ACUTE DERMAL TOXICITY:	Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
ACUTE ORAL TOXICITY:	Swallowing may cause gastrointestinal irritation.
ACUTE INHALATION TOXICITY:	Excessive inhalation of oil mist may affect respiratory system.
ACUTE TOXICITY ESTIMATE:	Not Determined
GERM CELL MUTAGENICITY:	No test data available for the product.
CARCINOGENICITY:	IARC not listed.

REPRODUCTIVE TOXICITY:	No test data available for the product.
EPIDEMIOLOGY:	No epidemiological data is available for this product.
LOCAL EFFECTS:	Irritating to eyes and skin. May cause redness and pain.
<b>SECTION 12: ECOLOGICAL INFORMATION:</b>	
ECOTOXICITY:	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
MOBILITY:	The product is immiscible with water and will spread on the water surface.
PERSISTENCE AND DEGRADABILITY:	No data available.
POTENTIAL TO BIOACCUMULATE:	No data available.
<b>SECTION 13: DISPOSAL CONSIDERATIONS</b>	
	Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.
<b>SECTION 14: TRANSPORTATION INFORMATION</b>	
	The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.
DOT SHIPPING DESCRIPTION:	LUBRICATING VEGETABLE OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR
IMO/IMDG SHIPPING DESCRIPTION:	LUBRICATING VEGETABLE OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE.
ICAO/IATA SHIPPING DESCRIPTION:	LUBRICATING VEGETABLE OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR
	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not applicable
<b>SECTION 15: REGULATORY INFORMATION</b>	
OTHER REGULATIONS:	This Safety Data Sheet complies with the requirements of Regulation (EC), No. 1907/2006 as amended.
<b>SECTION 16: OTHER INFORMATION</b>	
R-PHRASES:	This preparation is not classified as dangerous according to Directive 1999/45/EC
DISCLAIMER:	The information given is based on data available for the material, the components of the material, and similar materials.
<b>ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:</b>	
TVL – Threshold Limit Value	TWA – Time Weighted Average
STEL – Short-term Exposure Limit	PEL – Permissible Exposure Limit
GHS – Globally Harmonized System	CAS – Chemical Abstract Service Number
ACGIH – American Conference of Governmental Industrial Hygienists	IMO/IMDG – International Maritime Dangerous Goods Code
API – American Petroleum Institute	SDS – Safety Data Sheet
HMIS – Hazardous Materials Information System	NFPA – National Fire Protection Association (USA)

DOT – Department of Transportation (USA)	NTP – National Toxicology Program (USA)
IARC – International Agency for Research on Cancer	OSHA – Occupational Safety and Health Administration
NCEL – New Chemical Exposure Limit	EPA – Environmental Protection Agency
SCBA – Self-Contained Breathing Apparatus	

Prepared according to the 29 CFR 1910.1200 (2012) by Phil Wood & Co. 1125 North Seventh Street San Jose, CA 95112

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