

SAFETY DATA SHEET FOR TAP IT ALL LUBRICANTS, LLC ENVIRO-OIL™
APPROVED SDS NUMBER 100.6 EMP 02/21/2017

SECTION 1: IDENTIFICATION

PRODUCT NAME: ENVIRO OIL™

SYNONYMS: Seed oil-based Lubricants, Bio-based lubricant Vegetable methyl ester lubricant, Biobased oil, Sconix Anglers Gold, Shooters, Gold, FLORO

PRODUCT CODES: Vegetable methyl ester oils and inert Biobased ingredient(s)

MANUFACTURER: TAPIT ALL Lubricants®, LLC

ADDRESS: P.O. Box 578
Colorado Springs, CO 80903

EMERGENCY PHONE: 719-200-9141

BUSINESS PHONE: 719-200-9141

CHEMICAL FAMILY: Vegetable methyl esters and inert material(s)

SECTION 2 HAZARD(S) IDENTIFICATION

HAZAROUS MATERIAL RATING:

Health	0
Flammability	1
Reactivity	0
Special	0

EMERGENCY OVERVIEW: Oil contains only Biobased Methyl Esters and inert ingredients. All are non-toxic, non-hazardous and non-carcinogenic.

POTENTIAL HEALTH EFFECTS

EYES: Contact may cause mild eye irritation

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SKIN: Contact may cause mild skin irritation
INGESTION: May cause Gastrointestinal Distress and/or Diarrhea
INHALATION: Vapors (not generally present) may irritate the mucus membranes
ACUTE HEALTH HARZARDS: None listed. This product does not contain any chemicals listed by IARC, NTP or OSHA as carcinogens.

MEDICAL CONDITIONS

GENERALLY AGGRAVATED

BY EXPOSURE: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 99%> Vegetable based methyl esters products.
- 1 < ingredients comprised of inert elements
- Other than potential allergies to methyl esters no known health hazards are present

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush with water for 15 minutes and call a physician irritation persists
SKIN: Wash with soap and water
INGESTION: Call a physician. Do Not Induce Vomiting.
INHALATION: Move away from the source of exposure

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N/D
FLASH POINT: ASTM D92 182°C (360°F)
FIRE POINT: ASTM D92 204°C (399°F)
AUTOIGNITION TEMPERATURE: Not Available
EXTINGUISHING MEDIA: Use, sand, dry chemical or chemical foam –

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Do not use water!

SPECIAL FIRE FIGHTING PROCEDURES: The use of NIOSH/MSHA approved self-contained breathing apparatus is recommended for fire fighters.

HAZARDOUS DECOMPOSITION

PRODUCTS: Carbon monoxide, carbon dioxide

UNUSUAL FIRE AND

EXPLOSION HAZARDS: None

Material does not release noxious vapors during use.

SECTION 6: ACCIDENTIAL SPILLS/CLEANUP

Evacuate all non-essential personnel. Use non-sparking tools to shovel spilled material into plastic or metal containers. Remove containers to a safe area and seal. Wash hard surfaces with copious amounts of water to remove remaining material.

Dispose of waste in accordance with local and Federal procedures and regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Avoid direct eye contact or ingestion. Use with eye protectors with side guards when applying to tool. Store upright in a well-ventilated area out of direct sunlight. This product should be handled and stored per label instructions to ensure product integrity. Do not reuse containers. Store away from strong oxidizers. Keep away from heat, sparks, and flame. Keep out of the reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONEL PROTRECTION

ENGINEERING CONTROLS: None

VENTILATION: Mechanical ventilation is recommended in enclosed

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RESPIRATORY PROTECTION: None required in normal usage. ANOH approved respirator is advised in the absence of proper ventilation such as in small enclosed places

EYE PROTECTION: Wear safety glasses with side shields or goggles.

SKIN PROTECTION: Chemical resistant or neoprene gloves for those with allergies to methyl ester oil(s)

OTHER PROTECTIVE CLOTHING

OR EQUIPMENT: Eye wash and safety shower

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Yellow oil
ODOR: odor	Mild vegetable oil
PHYSICAL STATE:	Liquid
BOILING POINT:	>400°F
VAPOR DENSITY (AIR = 1):	Less than 1
SPECIFIC GRAVITY (H ₂ O = 1):	0.9
SOLUBILITY IN WATER:	Nil; oil is extremely hydrophobic
FLASH POINT	ASTM D92 182°C (360°F)
FIRE POINT	ASTM D92 204°C (399°F)
EVAPORATION RATE:	N/A
MELTING/FREEZING POINT:	N/A
INITIAL BOILING POINT AND BOILING RANGE	N/A
PARTITION COEFFICIENT: N-OCTANOL/WATER	N/A
AUTO-IGNITION TEMPERATURE:	N/A
DECOMPOSITION TEMPERATURE:	N/A
VISCOISITY:	N/D

SECTION 10: STABILITY AND REACTIVITY

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STABILITY: Stable

INCOMPATIBILITY and
CONDITIONS TO AVOID (STABILITY): Avoid Strong oxidizers; Do Not Mix
with water.

HAZARDOUS DECOMPOSITION
OR BY-PRODUCTS None

HAZARDOUS POLYMERIZATION: Has not been reported

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

No substance listed on the TSCA is used in this product

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY EXPOSURE: Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions by any route of entry into human body.

- Nothing in this product is listed in the National Toxicology Program (NPT)
- Nothing in this product has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC Monographs (latest editions) or found to be a potential carcinogen by OSHA.

SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)

ECOLOGICAL INFORMATION:

No definitive information is available on the environmental impact if product is released to the Environment.

There are no toxic ingredients in the product.

Rated at equal to 93% Biobased by USDA Biopreferred Program in oil form,

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Prevent contamination of ground and surface water

SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations. Only contamination is from metal and metal byproducts from being machined. The condition of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expenses arising out of or in any way connected with the handling, storage, use or disposal of the product.

SECTION 14: TRANSPORTATION INFORMATION (NON-MANDATORY)

D.O.T. I.D No: None/Not Applicable

D.O.T. LABEL REQUIRED: None/Not Applicable

HAZARD CLASS: None/Not Applicable

PACKING GROUP: None/Not Applicable

TRANSPORTATION INFORMATION –IMO/IMDG CODE (OCEAN)

Not subject to IMDG code.

TRANSPORTATION INFORMATION-ICAO/IATA (AIR)

Not subject to IATA regulation.

SECTION 15: REGULATORY INFORMATION (NON-MANDATORY)

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

No substance listed on the TSCA

inventory are present in the oil.

section

16: other information

Do NOT Attempt to Mix With water or water based substances

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Exception is cleaning. Wiping off parts is usually sufficient. – Warm soap and water with rinse or steam will clean off oil and additives residue prior to heat treating. Oil cleans off with hot water under pressure or with steam for specific clean up. **ALWAYS CLEAN BEFORE HEAT TREATING!**

Oil, when used in metal cutting, cuts cooler than petroleum or synthetic lubricants,

Less is more with this oil and a spray is usually sufficient.

Enviro-Oil™ may also be used in flood applications

A light application of oil is adequate for most machining jobs and all other applications.

May be applied by aerosol or MQL or any other method found to be effective for application being performed to include brushing on.

If filtered properly, Enviro-Oil™ may be repeatedly recycled in CNC and other machines.

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