**Safety Data Sheet
TELLUS OIL**Part Number: D-091000
Manufacture Date: May 2019

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**1. Identification of the product and company**
1.1 Product Identifier
 Product name: Tellus Oil
 Product number: D-091000

1.2 Relevant identified uses of the substance or mixture and uses advised against
 Intended use: Laboratory chemicals

1.3 Supplier details
 Manufacturer/Supplier: Parker Analytical, LLC.
 Address: 1830 Sawmill Dr. Suite 100
 Lucas, TX 75002
 Telephone: (214) 325-4138
 Email: info@parkeranalytial.com

1.4 Emergency telephone number
 911

**2. Hazards Identification**
2.1 Classification of the substance of mixture
 Not expected to be a health hazard when used under recommended conditions.
2.2 Label elements
 No data available
2.3 Other hazards
 None

**3. Ingredient information/composition**
3.1 Substances
 Highly refined mineral oils and additives
 Tellus oil contains <3% (w/w) DMSO-extract, according to IP346
3.2 Mixtures
 No data available

**4. First aid measures**
4.1 Description of first aid measures
 If this product is used as intended, risk of accidents are extremely unlikely. However, serious risk of injury is likely if the product is misused, in which case you should do the following:
 If inhaled: Dial 911 and seek medical treatment immediately.
 Skin contact: Wash with soap and water.
 Eye contact: Flush eyes thoroughly with water.
 If swallowed: Dial 911 and seek medical treatment immediately.

4.2 Important indicators/symptoms and effects both acute and delayed
 See section 11.

**5. Firefighting measures**
 5.1 Extinguishing media
 Foam, Dry chemical powder, carbon dioxide, sand, or earth may be used for small
 fires only.
5.2 Special hazards arising from substance or mixture
 Hazardous combustion products may include: A complex mixture of airborne solid
 and liquid particulates and gasses (smoke). Carbon monoxide. Unidentified organic
 and norganic compounds.
5.3 Advice for firefighters
 Proper protective equipment, including breathing apparatus must be worn when
 approaching a fire in a confined space.

**6. Accidental release measures**
6.1 Personal precautions, protective equipment and emergency procedures
 Avoid contact with spilled material.
6.2 Environmental precautions
 Use appropriate containment to avoid environmental contamination. Prevent
 material from spreading or from entering drains, ditches, or rivers by using sand,
 earth, or other barriers.
 6.3 Methods and material for containment and clean up
 Slippery when spilled. Avoid accidents by cleaning up immediately. Can be
 contained by surrounding oil with an absorbent material, sand, clay, or earth, and
 sweeping to a central point, then disposed of properly.
 6.4 Reference to other sections
 Refer to protective measures listed in section 13.

**7. Handling and storage**
7.1 Precautions for safe handling
 Use local exhaust ventilation if there is risk of vapor inhalation, mists, or aerosols.
 Properly dispose of any contaminated rags or cleaning materials to prevent fires.
 7.2 Conditions for safe storage
 Keep container tightly closed and in a cool, well-ventilated area. Use properly
 labeled containers.
7.3 Specific End Use(s)
 Polyethylene containers should not be exposed to high temperatures; possible risk
 of distortion.

**8. Exposure controls/personal protection**
8.1 Control Parameters

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| Material | Source | Type | Ppm | Mg/m3 | Notation |
| Oil mist, mineral | ACGIH | TWA (mist) |  | 5mg/m3 |  |
| Oil mist, mineral | ACGIH | STEL (mist) |  | 10mg/m3 |  |

8.2 Exposure control
 The level of protection and types of controls necessary will vary depending upon
 potential exposure conditions. Select controls based on a risk assessment of the
 local circumstances. Where material is heated, sprayed, or mist has formed, there
 is greater potential for airborne concentrations to be generated.

**9. Physical and chemical properties**
Appearance: Light brown, slight brown tint. Liquid
 at room temperature
Odor: Slight hydrocarbon
pH: Not applicable
Initial Boiling Point and Boiling Range: >280 °C/536 °F estimated value(s)
Pour point:: Typical -30°C / -22°F
Flash point:: Typical 209°C / 408°F (PMCC / ASTM
 D93)
Upper/Lower Flammability/Explosion Limits: Typical 1-10%(V) (based on mineral
 oil)
Auto-ignition temperature: >320°C / 608°F
Vapor Pressure: < 0.5 Pa at 20°C / 68°F (estimated
 value(s))
Density: Typical 875 kg/m3 at 15°C / 59°F
Water Solubility: Negligible
N-octanol/water partition coefficient (log Pow): > 6 (based on information on similar
 products)
Kinematic Viscosity: Typical 32 mm2/s at 40°C / 104°F
Vapor Density (air=1): > 1 (estimated Value(s))
Evaporation Rate (nBuAC=1): Data not available

**10. Stability and Reactivity**
10.1 Reactivity
 No data available
10.2 Chemical stability
 Stable
10.3 Possibility of hazardous reactions
 No data available
10.4 Conditions to avoid
 Extremes of temperature and direct sunlight
10.5 Incompatible Materials
 Strong oxidizing agents
10.6 Hazardous Decomposition Products
 Hazardous decomposition products are not expected to form during normal
 storage

**11. Toxicological information**
Basis for Assessment: Information is given based on data on the components and
 the toxicology of similar products.
Acute Oral Toxicity: Expected to be of low toxicity: LD50 > 5000 mg/kg – Rat
Acute Dermal Toxicity: Expected to be of low toxicity: LD50 > 5000 mg/kg – Rabbit
Acute Inhalation Toxicity: Not considered to be an inhalation hazard under normal
 conditions of use.
Skin Irritation: Expected to be slightly irritating. Prolonged or repeated skin
 contact without proper cleaning can clog the pores of the
 skin resulting in disorders such as oil acne/folliculitis.
Eye Irritation: Expected to be slightly irritating.
Respiratory Irritation: Inhalation of vapors or mists may cause irritation.
Sensitization: Not expected to be sensitive to skin.
Repeated Dose Toxicity: Not expected to be a hazard.
Mutagenicity: Not considered a mutagenic hazard.
Carcinogenicity: Product contains mineral oils of types shown to be
 noncarcinogenic in animal skin-painting studies. Highly
 refined mineral oils are not classified as carcinogenic by the
 International Agency for Research on Cancer (IARC). Other
 components are not known to be associated with
 carcinogenic effects.
Reproductive/prenatal Toxicity: Not expected to be a hazard.
Additional Information: Used oils may contain harmful impurities that have
 accumulated during use. The concentration of such
 impurities will depend on use and they may present risks to
 health and the environment on disposal. ALL used oil should
 be handled with caution and skin contact avoided as much
 as possible. High pressure injection of product into the skin
 may lead to local necrosis if the product is not surgically
 removed.

**12. Ecological information**
12.1 Toxicity
 Poorly soluble mixture. May cause physical fouling of aquatic organisms. Expected
 to be practically nontoxic: LL/EL/IL50 > 100 mg/l (to aquatic organisms) (LL/EL 50
 expressed as the nominal amount of product required to prepare aqueous test
 extract). Mineral oil is not expected to cause any chronic effects to aquatic
 organisms at concentrations less than 1 mg/l.
12.2 Persistence and degradability
 Expected to be not readily biodegradable. Major constituents are expected to be
 inherently biodegradable, but the product contains components that may persist
 in the environment.
12.3 Bioaccumulative potential
 Contains components with the potential to bioaccumulate.
12.4 Mobility in soil
 Liquid under most environmental conditions. Floats on water. If it enters soil, it will
 absorb to soil particles and will not be mobile.
12.5 Results of PBT and vPvB assessment
 No data available.
12.6 Other adverse effects
 Product is a mixture of non-volatile components, which are not expected to be
 released to air in any significant quantities. Not expected to have ozone depletion
 potential, photochemical ozone creation potential or global warming potential.

**13. Disposal considerations**
Material Disposal: Recover or recycle if possible. It is the responsibility of the waste
 generator to determine the toxicity and physical properties of the
 material generated to determine the proper waste classification and
 disposal methods in compliance with applicable regulations. Do not
 dispose into the environment, in drains, or in storm drains.
Container Disposal: Dispose in accordance with prevailing regulations, preferably to a
 recognized collector or contractor. The competence of the collector or
 contractor should be established beforehand.
Local Legislation: Disposal should be in accordance with applicable regional, national, and
 local laws and regulations.

**14. Transport information**
 14.1 US number
 No data available
14.2 US proper shipping name
 No data available
14.3 Transport hazard class(es)
 No data available
14.4 Packing group
 No data available
14.5 Environmental hazard
 No data available
14.6 Special precautions for user
 No data available
15.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code.
 No data available

**15. Regulatory information**
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
 The regulatory information is not intended to be comprehensive. Other
 regulations may apply to this material.
 Notification Status
 EINECS All components listed or polymer exempt.
 TSCA All components listed.
 DSL All components listed
15.2 Chemical safety assessment
 No data available

**16. Other information**

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| The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use or misuse. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Parker Analytical, LLC be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages, howsoever arising, even if Parker Analytical, LLC has been advised of the possibility of such damages. |

**BSE/TSE Statement:** There are no materials of animal origin in the raw materials or in the process aides used to manufacture any Parker Analytical products.