**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](mailto: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.