



## MATERIAL SAFETY DATA SHEETS

MPS-BIOLUB

Version:1

Issued: 7/7/2021

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### CLASSIFICATION OF MATERIAL

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#### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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|-----|---------------------------------|---|
| 1.1 | <b>Product:</b>                 | <b>Biodegradable Lubricant</b>                |
| 1.2 | <b>UN Proper Shipping Name:</b> | Not relevant.                                 |
| 1.3 | <b>Recommended Use:</b>         | Mechanical and pneumatic gears lubrication.   |
| 1.4 | <b>Name of the company:</b>     | Moonlight                                     |
| 1.5 | <b>Address:</b>                 | 6 of October industrial zone block number 617 |
| 1.7 | <b>Telephone Number:</b>        | 00201011466110 / 00201272222930               |
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#### 2. HAZARDS IDENTIFICATION

- |     |                               |  |
|-----|-------------------------------|--|
| 2.1 | <b>Hazard Classification:</b> | Environment Friendly. Non-Hazardous Substance.<br>Non-Dangerous Goods. |
| 2.2 | <b>Risk Phrase(s):</b>        | Nil.   |
| 2.3 | <b>Safety Phrases:</b>        | Nil.   |
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#### 3. COMPOSITION / INFORMATION ON INGREDIENTS

- |                                  |        |
|----------------------------------|--------|
| <i>VEGETABLE ESTERS</i>          | >90 %  |
| <i>NON HAZARDOUS INGREDIENTS</i> | < 10 % |
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#### 4. FIRST AID MEASURES

##### Description of Necessary First Aid Measures

##### Ingestion:

Immediately remove product from the mouth and rinse mouth out with plenty of water. Then provide water slowly and as much as casualty can comfortably drink. If discomfort persists or symptoms develop, seek medical attention.



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<b>Eye:</b>	Immediately hold the eyes open and wash with fresh running water. Ensure complete irrigation of the eye by keeping the eyelids apart and away from the eye and moving the eyelids by occasionally lifting the upper and lower lids. If pain persists or recurs, seek medical attention.
<b>Skin:</b>	Not applicable for normal use. If skin reaction or irritation occurs, discontinue use and seek medical attention.
<b>Inhalation</b>	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
<b>Medical Attention and Special Treatment</b>	
<b>First Aid Facilities:</b>	Eye wash facilities and safety shower are recommended.
<b>Comments:</b>	Treat according to person's condition and specifics of exposure.
<b>Advice to Doctor:</b>	Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

<b>5.1 Suitable Extinguishing Media:</b>	Dry agent, carbon dioxide or foam. Prevent contamination of drains and waterways.
<b>5.2 Hazards From Combustion Products:</b>	Combustible. May evolve carbon oxides and hydrocarbons when heated to decomposition.
<b>5.3 Special Protective Precautions and Equipment For Fire Fighters:</b>	Determine the need to evacuate or isolate the area according to your local emergency plan. Fire fighters should wear self-contained breathing apparatus to minimise risk of exposure to vapour or products of combustion.
<b>5.4 Hazchem Code:</b>	Not applicable.

## 6. ACCIDENTAL RELEASE MEASURES

<b>6.1 Personal precautions</b>	Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible. Contact emergency services where appropriate.
<b>6.2 Emergency Procedures:</b>	Do not allow large quantities to enter drains or surface waters.
<b>6.3 Methods and Materials for Containment and Clean Up:</b>	Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in



suitable containers for disposal.

## 7. HANDLING AND STORAGE

- |   |   |
|---|---|
| <b>7.1 Precautions for Safe Handling:</b> | Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.                           |
| <b>7.2 Conditions for Safe Storage:</b>   | Store in a cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should have appropriate ventilation systems. |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- |   |  |
|---|--|
| <b>8.1 National Exposure Standards:</b>   | Not exposure standard allocated.   |
| <b>8.2 Biological Limit Values:</b>       | No biological limit allocated.   |
| <b>8.3 Engineering Controls:</b>          | No engineering controls necessary.   |
| <b>8.4 Personal Protective Equipment:</b> | <ul style="list-style-type: none"> <li>- <b>Eye / Face:</b> Wear splash-proof goggles.</li> <li>- <b>Hands:</b> Wear PVC or rubber gloves.</li> <li>- <b>Body:</b> When using large quantities or where heavy contamination is likely, wear coveralls.</li> <li>- <b>Respiratory:</b> Where an inhalation risk exists, wear a Type A (Organic vapour) respirator.</li> </ul> |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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|--|----------------------------|
| <b>9.1 Physical Description / Properties</b> |                            |
| <b>Appearance:</b>                           | Dark Brown to Black Liquid |
| <b>Odour:</b>                                | Slight Vegetable Oil Odour |
| <b>pH:</b>                                   | Not applicable.            |
| <b>Viscosity (cP @ 40°C):</b>                | 220 to 460.                |
| <b>Vapor Pressure:</b>                       | Not applicable.            |
| <b>Vapor Density:</b>                        | Not applicable.            |
| <b>Boiling Point (°C):</b>                   | Not applicable.            |
| <b>Freezing Point (°C):</b>                  | -10 °C.                    |



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<b>Melting Point (°C):</b>	Not applicable.
<b>Solubility In Water:</b>	Slightly Soluble.
<b>Specific Gravity (@ 25°C):</b>	Not determined.
<b>Flash Point (°C):</b>	260 °C.
<b>Flammability:</b>	CLASS C2 Combustible.
<b>Explosive Prosperities:</b>	Not available.
<b>Autoignition Temp (°C):</b>	Not available.
<b>Decomposition Temp (°C):</b>	Not available.

## 10. STABILITY AND REACTIVITY

<b>10.1 Chemical Stability:</b>	The product is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
<b>10.2 Conditions To Avoid:</b>	Avoid heat, sparks, open flames and other ignition sources.
<b>10.3 Incompatible Materials:</b>	Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), heat and ignition sources.
<b>10.4 Hazardous Decomposition Products:</b>	May evolve carbon oxides and hydrocarbons when heated to decomposition.
<b>10.5 Hazardous Reactions:</b>	Polymerization is not expected to occur.

## 11. TOXICOLOGICAL INFORMATION

**11.1 Likely Route of Exposure:** Inhalation Skincontact Ingestion

**11.2 Health Effects From Likely Route of Exposure:**

<b>Acute toxicity</b>	This product is expected to be of low acute toxicity. Under normal conditions of use, adverse health effects are not anticipated.
<b>Skin</b>	Not classified as a skin irritant. Contact may cause temporary mild skin irritation.
<b>Eye</b>	Not classified as an eye irritant. Contact may cause discomfort, lacrimation and redness.
<b>Sensitisation</b>	Not classified as causing skin or respiratory sensitisation.
<b>Mutagenicity</b>	No evidence of mutagenic effects.
<b>Carcinogenicity</b>	No evidence of carcinogenic effects.
<b>Reproductive</b>	No relevant or reliable studies were identified.
<b>STOT - single exposure</b>	Not classified as causing organ damage from single exposure.
<b>STOT - repeated exposure</b>	Not classified as causing organ damage from repeated exposure.
<b>Aspiration</b>	This product does not present an aspiration hazard.

**11.3 Other Information:** No known applicable information.



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## 12. ECOLOGICAL INFORMATION

- |   |   |
|---|---|
| <b>12.1 Ecotoxicity:</b>                                      | Not available.                                |
| <b>Bioaccumulation:</b>                                       | No bioaccumulation potential.                 |
| <b>12.2 Environmental Fate and Distribution:</b>              | Biodegradable.                                |
| <b>12.3 Fate and Effects in Waste Water Treatment Plants:</b> | No adverse effects on bacteria are predicted. |

## 13. DISPOSAL CONSIDERATIONS

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|---|--|
| <b>13.1 Disposal Method:</b>                                  | For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. For large quantities, contact the manufacturer/supplier for additional information. |
| <b>13.2 Special Precautions for Landfill or Incineration:</b> | None known.  |

## 14. TRANSPORTATION INFORMATION

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|---|-----------------|
| <b>14.1 UN Number:</b>                    | Not relevant.   |
| <b>14.2 UN Proper Shipping Name:</b>      | Not relevant.   |
| <b>14.3 Dangerous Goods Class:</b>        | Not relevant.   |
| <b>Packing Group:</b>                     | Not relevant.   |
| <b>14.4 Special Precautions for User:</b> | Not relevant.   |
| <b>14.5 HAZCHEM Code:</b>                 | Not relevant.   |
| <b>Additional Shipping Information:</b>   | Not relevant.   |
| <b>15.1 SUSDP Poisons Schedule:</b>       | None allocated. |