PUMA 2 STROKE MOTORBIKE OIL


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<tr>
<th>Material Name</th>
<th>Puma 2 Stroke Motorbike Oil</th>
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<tr>
<td>Uses</td>
<td>2 Stroke Motorbike Oil</td>
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<tr>
<td>Manufacturer/Supplier</td>
<td>Centlube</td>
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<td>29 Bezuidenhout Street</td>
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<td>Wadeville</td>
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<td>Germiston</td>
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<td>1422</td>
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</tbody>
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Contact Details

| Supplier              | Puma Energy               |
|                       | 15 Alice Lane             |
|                       | Sandton                   |
|                       | Johannesburg             |
|                       | 2196                      |
| Reception             | +27113436913              |

2. Hazards Identification.

Important hazards: This product of low oral and dermal toxicity and under normal conditions of use should be present no significant health hazards. However, in common with most mineral oils, prolonged and repeated skin contact may cause dermatitis. Handling precautions must be strictly observed.

Environmental hazards: This product is not classified as dangerous to the environment, according to the criteria set by the EU.

General information: Any substance, in case of accidents involving pressurized circuits and the like, may be accidentally injected under the skin, even without external damage. In such a case, the victim should be brought to a hospital as soon as possible, to get specialized medical treatment.

3. Composition / Information on Ingredients.

Components:
- Paraffinic base stock, severely solvent refined (41% wt min.).
- Petroleum distillates.
- Synthetic base stock.
- Additives

Hazardous component(s):
- Neutral calcium sulphonate 1% wt max

4. First Aid Measures.

Skin contact:
Take off contaminated clothing and shoes. Wash thoroughly with soap and water.

Eye contact:
Flush with large amounts of water; if irritation persists, seek medical attention.

Ingestion:
Do not induce vomiting to avoid aspiration into the lungs; seek medical attention.

Aspiration of liquid into the lungs:
If there is the possibility that the product has been
Inhalation:
In case of disturbances owing to an exposure to a high concentration of vapours or mists, remove the victim from exposure; keep at rest; if necessary, seek medical attention.

5. Fire-fighting Measures.
Extinguishing media:
- Suitable: Carbon dioxide, dry chemicals, foam, sand or earth, and spread the fire.

Other information:
- Spilled product which is not burning should be covered with sand or foam
- Use water sprays to cool the surfaces exposed to the flames.

Special protective equipment for firefighters:
- Wear a suitable breathing apparatus if smoke is present.

Useful precautions:
- Avoid accidental sprays (i.e. from broken couplings) on hot surfaces or electrical contacts (switches, outlets and the like).
- In case of losses from pressurized circuits, the sprays may form mists. Take into account that in this case the lower explosion limit for mists is about 45 g oil/m³ air.

General measures:
- Shut of source of spill, if possible.

Methods for cleaning up:
- Soil: Contain spilled liquid with sand, earth or other suitable absorbents. Recover free liquid and waste materials in suitable waterproof and oil-resistant containers. Clean contaminated area. Dispose of according to local regulations.
- Water: Confine the spillage. Remove from surface by skimming or suitable absorbents. Notify local authorities according to regulations.

7. Handling & Storage.
Storage:
- Storage temperature: ambient to 55°C max.

Handling:
- Store the product in cool, well ventilated surroundings. Keep away from sources of ignition.

8. Exposure Controls / Personal Protection.
Exposures limits:
- TLV-TWA (A.C.G.I.H. 2002): 5 mg/m³ (mineral oil mists)
- TLV-STEII (A.C.G.I.H. 2002): 10 mg/m³ (mineral oil mists)
- TLV-TWA (A.C.G.I.H. 2002): 300 ppm – 1370 mg/m³ (petroleum distillates)

Personal protection:
- Open spaces: No special measures
- Confined spaces: Aspirators in case of oil mist; protective shields, in case of oil splashes.
Material Safety Data Sheet (MSDS)

Hand/eyes/skin protection: Mineral oil resistant on gloves, overalls. Gloves must be felt-lined.
Hygiene measures: Do not drink, eat or smoke with dirty hands. Wash hands before going to the toilet. Do not clean hands with dirty or oil-soaked rags. Change clothes if they are dirty or soaked, and in any case at the end of the working shift. Wash hands with and soap, do not use solvents or other irritant products which have a defatting effect on the skin.

9. Physical & Chemical Properties

Appearance: Liquid, bright & clear (ASTM D 4176/1).
Odour: Characteristic.
Colour: Not determined
Density a 15°C: 880 kg/m³ (ASTM D 1298).
Boiling point/range: > 200°C (at 10 mmHg) (ASTM D 1160)
Vapour pressure: max 20 kPa (37.8°C)
Viscosity at 100°C: 11 mm²/s (ASTM D 445).
Solubility in water: Insoluble in water
pH: Not applicable (ASTM D 1287).
Pour point: -15°C. (ASTM D 97)
Flash point: 61°C. (ASTM D 92)
Auto-ignition temperature: > 220 °C (DIN 51794)
Explosion limits:
-Lower: Not determined.
-Upper: Not determined.
Partition coefficient (P o/w): Not determined.
DMSO extract of base stock: <3 % wt (IP 346/92)

10. Stability & Reactivity.

Thermal decomposition products: COx, HC.
Stability: Stable product.
Hazardous reactions: None
Materials to avoid: Strong oxidants

11. Toxicological Information

Oral toxicity (rat): LD50 greater than 2000 mg/kg
Dermal toxicity (rabbit): LD50 greater than 2000 mg/kg
Inhalation toxicity (rat): LC50 greater than 5 mg/l/4h
Skin sensitization: This product is not classified as sensitizer after prolonged or repeated contact, especially if normal hygienic rules are not respected.
Other information:
*Not irritating to eyes and skin
*Minor irritation may occur after prolonged or repeated contact, especially if normal hygienic rules are not respected.
*None of the components of this product are listed as carcinogen by NTP, IARC, OSHA, EU or others.

12. Ecological Information.

General information: This product is expected to be resistant to biodegradation and persist in the environment.
No specific environmental data are available for this product.
Material Safety Data Sheet (MSDS)

According to the components, and by comparison with other products of the same type and composition, it is expected that this product has a toxicity for aquatic organisms > 100 mg/l, and must not be regarded as dangerous to environment. Handle according to general working hygiene practices to avoid pollution and release into environment.


Disposal of product: Do not dispose of the product, either new or used, by discharging into sewers, tunnels, lakes or water courses.

European Waste Catalogue Code: 13 08 99 (Ref: 2001/118/CE)
Disposal of packaging: Dispose of in a safe manner, in accordance with local regulations.

14. Transport Information.

RID/ADR: Does not belong to any class of danger.
ICAO/IATA: Does not belong to any class of danger.
IMO-IMDG code: Does not belong to any class of danger.

15. Regulatory Information.

Other indications: Contains a sensitizer (Calcium sulphonate) in an amount > 0.1 % wt (Ref.: Dir.1999/45/CE)
Relevant national laws on health and safety on the workplace.
Relevant national laws on recycling and re-use of waste materials.
Relevant national laws on prevention of water pollution.

16. Other Information.

Nature of revision: Correction in Section: 2, 11, 12, 15.
Adaption to new regulation: 1999/45/CE

This information relates only to the specific product and may not be valid if the product is used in combination with any other material or in any process.

The information’s in this sheet are according to our best knowledge at the date of printing.

This Safety Data Sheet has been checked and printed on the 12/07/2016

End of document.  

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The information contained herein is accurate at the time of this review. However specifications change from time to time. Ensure specifications meet equipment manufacture requirements.

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