



P/N 36020027

Material Safety Data Sheet

8374	Version nr : 1.00	510 2T	
		Revised : 31/01/2006 Supersedes : / /	
1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING			
<u>Product Information</u>			
Commercial Product Name		510 2T	
Product code		8374	
Use of the Substance/Preparation		2 Stroke engine lubricant	
<u>Manufacturer, importer, supplier</u>			
Supplier		MOTUL - Regulation Departement Zone Industrielle - Chemin du Corps de Garde 77360 VAIRES SUR MARNE - FRANCE	
Telephone		33.1.64.72.86.23	
Telefax		33.1.64.72.86.28	
EMERGENCY TELEPHONE NUMBER		ORFILA : 33.1.45.42.59.59	
Responsible Department		Health and Safety Department	
2. COMPOSITION/INFORMATION ON INGREDIENTS			
Identification of the preparation			
<u>Hazardous components</u>	<u>Weight %</u>	<u>CAS-No.</u>	<u>EINECS-No.</u>
Heavy naphtha petroleum hydrotreated, Low boiling point	< 17 %	64742-48-9	265-150-3
Xn, R65, R66			
Polyolefine succinimide polyamine R53	< 1 %	polymer	Polymer
Calcium phenate Xi, R43	< 1 %	polymer	polymer
3. HAZARDS IDENTIFICATION			
<u>EC Label</u>		Petroleum-derived severely refined mineral-base product in which the polycyclic aromatic hydrocarbons (PCA or PAH) content, measured by IP 346, is less than 3%,	
Specific hazards		none under normal use	
- physico-chemical properties		No hazards resulting from material as supplied.	
- properties affecting health		None known	
- environmental properties		Ecological injuries are not known or expected under normal use.	
4. FIRST AID MEASURES			
General advice		In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).	
- Inhalation		Move to fresh air.	
		If symptoms persist, call a physician.	
- Eye contact		Rinse immediately with plenty of water, also under the eyelids.	
		Consult a physician if necessary	
- Skin contact		Take off all contaminated clothing immediately.	
		Wash off immediately with soap and plenty of water.	

MOTUL
119, bd Félix Faure
B.P. 94
93303 Aubervilliers Cedex
France

phone : 0033.1.48.11.70.00
fax : 0033.1.48.33.28.79
Email : alafeuil@motul.fr

Page : 1 / 5
Pollux600



Material Safety Data Sheet

8374		Version nr : 1.00	510 2T	Revised : 31/01/2006 Supersedes : / /
- Ingestion		Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice.		
5. FIRE-FIGHTING MEASURES				
- Suitable extinguishing media		dry powder foam carbon dioxide (CO2) high volume water jet		
- Extinguishing media which must not be used for safety reasons				
- Specific hazards		Incomplete combustion produces toxic gases, such as CO, CO2, various forms of hydrocarbons, aldehydes etc., and soots. Inhalation is extremely dangerous.		
- Specific methods		In the event of fire, wear self-contained breathing apparatus.		
- Under fire conditions:		Dispose of promptly.		
6. ACCIDENTAL RELEASE MEASURES				
Personal precautions		Depending on the risk of exposure, wear gloves, goggles, and protective clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.		
Environmental precautions		Do not let product enter drains. Local authorities should be advised if significant spillages cannot be contained. For environmental protection remove and wash all contaminated protective equipment before re-use.		
Methods for cleaning up		Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Contaminated surfaces will be extremely slippery. Prevent product from entering drains. Use personal protective equipment. Shovel into suitable container for disposal.		
7. HANDLING AND STORAGE				
Handling				
- Technical measures/Precautions		Provide sufficient air exchange and/or exhaust in work rooms. Uncontrolled disposal or recycling of this packaging is not permitted and can be dangerous.		
- Safe handling advice		Avoid contact with skin and eyes.		
Storage				
- Technical measures/Storage conditions		Use only receptacles, joints, pipes, etc, which are resistant to hydrocarbons. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs. Keep at temperatures between 5 and 40 °C. Do not let product enter drains. Keep out of reach of children.		



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Page : 2 / 5

Pollux6®

Material Safety Data Sheet

8374	Version nr : 1.00	510 2T	Revised : 31/01/2006 Supersedes : / /
- Incompatible products		Do not smoke. Store in original container. Keep in a bunded area. Incompatible with oxidising agents.	
8. EXPOSURE CONTROLS / PERSONAL PROTECTION			
 			
Personal protective equipment			
Respiratory protection		Breathing apparatus needed only when aerosol or mist is formed.	
Hand protection (EN 420, EN 374-3)		protective gloves Glove material : nitrile rubber Layer thickness : 0,11 mm Breakthrough time : > 480 Min.	
Eye protection (EN 166)		safety glasses	
Skin and body protection (DIN - EN 465)		As required, wear a face mask, fluid-proof protective clothing, and safety boots (when handling drums) Don't wear ring, watch or similar thing which will be able to hold the product and may give rise to some skin diseases,	
Hygiene measures		Contaminated equipment (brushes, rags) must be cleaned immediately with water. Avoid contact with skin, eyes and clothing.	
9. PHYSICAL AND CHEMICAL PROPERTIES			
Form		liquid	
Colour		green	
pH		Not applicable	
Flash point			
open cup		117 °C ASTM D92	
Water solubility		insoluble	
Solubility in other solvents		soluble	
		Soluble in hydrocarbons	
Viscosity		72,3 mm²/s 40 °C ASTM D445	
Explosion limits		not applicable	
Specific gravity		867 kg/m3 15°C NF T 60-101	
10. STABILITY AND REACTIVITY			
Stability		Stable at normal conditions	
Materials to avoid		Incompatible with oxidising agents.	



Material Safety Data Sheet

510 2T	
8374	Version nr : 1.00
Revised : 31/01/2006 Supersedes : / /	
Hazardous decomposition products	Incomplete combustion produces toxic gases, such as CO, CO2, various forms of hydrocarbons, aldehydes etc., and soots. Inhalation is extremely dangerous.
11. TOXICOLOGICAL INFORMATION	
<u>Local effects</u>	<p>The following toxicological data shown are those obtained from tests on products of similar composition in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 1994.</p> <p>Health injuries are not known or expected under normal use.</p> <p>Weakly toxic</p> <p>Mild eye irritation</p> <p>Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.</p> <p>Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons.</p> <p>Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.</p> <p>The toxicological data has been taken from products of similar composition. (in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 1994.</p>
<u>Acute toxicity</u>	
Ingestion	
Eye contact	
Skin contact	
Inhalation	
Chronic toxicity	
12. ECOLOGICAL INFORMATION	
Mobility	Soil : In consideration of its physical and chemical characteristics, the prodcut has only slight mobility in the soil. Water : Insoluble, the product spreads over the surface of the water. Do not flush into surface water or sanitary sewer system.
Aquatic toxicity	no data available
Ecotoxicity effects	
13. DISPOSAL CONSIDERATIONS	
Waste from residues / unused products	Send to an approved Waste Collector Collect all waste in suitable and labelled containers and dispose of in compliance with licence from HMIP issued under sections 6 & 7 of the Radioactive Substances Act 1960. Do not flush into surface water or sanitary sewer system.
Contaminated packaging	Where possible recycling is preferred to disposal or incineration. The user's attention is drawn to the possible existence of local regulations regarding disposal. Send to an approved Waste Collector In accordance with local and national regulations.
EWC waste disposal No: NOTE	130202 - non-chlorinated engine, gear and lubricating oils "Avis relatif à la nomenclature ds déchets du 11/11/1997"
14. TRANSPORT INFORMATION	
<u>Land transport</u>	not regulated
Class	

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93303 Aubervilliers Cedex
France

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Page : 4 / 5

Pollux6®

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Version nr : 1.00

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Sea transport

Class

not regulated

Air transport

Class

not regulated

15. REGULATORY INFORMATION

EC Label

The product contains no substances classified as hazardous to health in concentrations which should be taken into account according to EC directive.

Special regulations on certain preparations

This product contains - Calcium phenate

May produce an allergic reaction.

France

This safety data sheet complies with the recommendations of European Community and French regulations. Contact your local branch for adaptation to specific national requirements.

36. 84.15

16. OTHER INFORMATION

16. Other information

This dossier supplements the technical notifications for use, but does not replace them. The information which it contains is based on our knowledge relating to the product in question on the date indicated.

The information is given in good faith. The user's attention is also drawn to possible risks incurred if a product is employed for uses other than those for which it was designed. The information dossier does not, under any circumstances, discharge the user from the obligation of being aware of, and of applying, all the texts which govern his sphere of activity. He shall be solely responsible for taking the precautions associated with the use which he makes of the product. All the statutory provisions referred to are intended simply to assist the recipient in fulfilling the obligations incumbent upon him. This enumeration must not be considered to be exhaustive. The recipient must ensure that no obligations are incumbent upon him, as a result of texts other than those cited relating to the holding and handling of the product, for which he alone is responsible.

Text of R phrases mentioned in Section 2

R43 - May cause sensitization by skin contact.

R53 - May cause long-term adverse effects in the aquatic environment.

R65 - Harmful: may cause lung damage if swallowed.

R66 - Repeated exposure may cause skin dryness or cracking.

This data sheet conforms to standards defined by directives 2001/58/CE

Data sheet prepared by MOTUL.

IMPORTANT: The information in this Data Sheet applies only to the products designated herein and produced or supplied by us. It is based on our experience and on the data available to us at the time of its issue and is accurate to the best of our knowledge.

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Page : 5 / 5

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