



PIN 36020027

# Material Safety Data Sheet

8374	Version nr : 1.00	510 2T	Revised : 31/01/2006
Supersedes : / /			
<b>1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING</b>			
<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		
<b>EMERGENCY TELEPHONE NUMBER</b>	<b>ORFILA : 33.1.45.42.59.59</b>		
Responsible Department	Health and Safety Department		
<b>2. COMPOSITION/INFORMATION ON INGREDIENTS</b>			
<u>Identification of the preparation</u>			
<u>Hazardous components</u>	<u>Weight %</u>	<u>CAS-No.</u>	<u>EINECS-No.</u>
Heavy naphtha petroleum hydrotreated, Low boiling point Xn, R65, R66	< 17 %	64742-48-9	265-150-3
Polyolefine succinimide polyamine R53	< 1 %	polymer	Polymer
Calcium phenate Xi, R43	< 1 %	polymer	polymer
<b>3. HAZARDS IDENTIFICATION</b>			
<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.		
<b>4. FIRST AID MEASURES</b>			
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.		

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- Ingestion		Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting without medical advice.	
<b>5. FIRE-FIGHTING MEASURES</b>			
- Suitable extinguishing media		dry powder foam carbon dioxide (CO <sub>2</sub> ) high volume water jet	
- Extinguishing media which must not be used for safety reasons			
- Specific hazards		Incomplete combustion produces toxic gases, such as CO, CO <sub>2</sub> , 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.	
<b>6. ACCIDENTAL RELEASE MEASURES</b>			
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.	
<b>7. HANDLING AND STORAGE</b>			
<b>Handling</b>			
- 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.	
<b>Storage</b>			
- 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.	

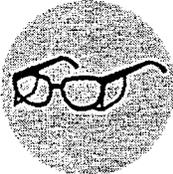
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- Incompatible products	Do not smoke. Store in original container. Keep in a banded area.	Incompatible with oxidising agents.	
<b>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</b>			
			
<b>Personal protective equipment</b>			
<i>Respiratory protection</i>		Breathing apparatus needed only when aerosol or mist is formed.	
<i>Hand protection (EN 420, EN 374-3)</i>		protective gloves Glove material : nitrile rubber Layer thickness : 0,11 mm Breakthrough time : > 480 Min.	
<i>Eye protection (EN 166)</i>		safety glasses	
<i>Skin and body protection (DIN - EN 465)</i>		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, Contaminated equipment (brushes, rags) must be cleaned immediately with water. Avoid contact with skin, eyes and clothing.	
Hygiene measures			
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>			
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 mm <sup>2</sup> /s 40 °C ASTM D445		
Explosion limits	not applicable		
Specific gravity	867 kg/m <sup>3</sup> 15°C NF T 60-101		
<b>10. STABILITY AND REACTIVITY</b>			
Stability	Stable at normal conditions		
Materials to avoid	Incompatible with oxidising agents.		



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Hazardous decomposition products		Incomplete combustion produces toxic gases, such as CO, CO <sub>2</sub> , various forms of hydrocarbons, aldehydes etc., and soots. Inhalation is extremely dangerous.	
<b>11. TOXICOLOGICAL INFORMATION</b>			
<u>Local effects</u>		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.	
<u>Acute toxicity</u>		Health injuries are not known or expected under normal use.	
Ingestion		Weakly toxic	
Eye contact		Mild eye irritation	
Skin contact		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.	
Inhalation		Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons.	
Chronic toxicity		Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. The toxicological data has been taken from products of similar composition. (in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 1994.	
<b>12. ECOLOGICAL INFORMATION</b>			
Mobility		Soil : In consideration of its physical and chemical characteristics, the product 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		no data available	
<b>13. DISPOSAL CONSIDERATIONS</b>			
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:		130202 - non-chlorinated engine, gear and lubricating oils	
NOTE		"Avis relatif à la nomenclature ds déchets du 11/11/1997"	
<b>14. TRANSPORT INFORMATION</b>			
<u>Land transport</u>		not regulated	
Class		not regulated	

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<u>Sea transport</u> Class		not regulated	
<u>Air transport</u> Class		not regulated	
<b>15. REGULATORY INFORMATION</b>			
<b>EC Label</b> The product contains no substances classified as hazardous to health in concentrations which should be taken into account according to EC directive.			
<b>Special regulations on certain preparations</b> This product contains - Calcium phenate May produce an allergic reaction.			
<b>France</b> 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			
<b>16. OTHER INFORMATION</b>			
<b>16. Other information</b> 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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