



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		PIN 36020028
<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			
<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
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.		
- Eye contact	If symptoms persist, call a physician. 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.		
5. FIRE-FIGHTING MEASURES			
- Suitable extinguishing media	dry powder foam carbon dioxide (CO ₂)		
- Extinguishing media which must not be used for safety reasons	high volume water jet		
- Specific hazards	Incomplete combustion produces toxic gases, such as CO, CO ₂ , 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.		
Environmental precautions	Choose body protection according to the amount and concentration of the dangerous substance at the work place. Do not let product enter drains. Local authorities should be advised if significant spillages cannot be contained.		
Methods for cleaning up	For environmental protection remove and wash all contaminated protective equipment before re-use. 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.		

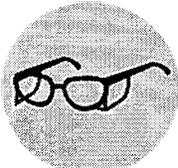
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- Incompatible products	Do not smoke. Store in original container. Keep in a bunded area. Incompatible with oxidising agents.		
8. EXPOSURE CONTROLS / PERSONAL PROTECTION			
			
Personal protective equipment			
<i>Respiratory protection</i>		Breathing 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,	
<i>Hygiene measures</i>		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 mm ² /s 40 °C ASTM D445		
Explosion limits	not applicable		
Specific gravity	867 kg/m ³ 15°C NF T 60-101		
10. STABILITY AND REACTIVITY			
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 ₂ , various forms of hydrocarbons, aldehydes etc., and soots. Inhalation is extremely dangerous.	
11. TOXICOLOGICAL INFORMATION			
<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.	
12. ECOLOGICAL INFORMATION			
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 Ecotoxicity effects		no data available	
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.	
Contaminated packaging		Do not flush into surface water or sanitary sewer system. 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>			
Class		not regulated	

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