



Material Safety Data Sheet

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Issued:	14-06-2005
Revised:	14-06-2008
Rev. No.:	5
Product:	Ecodyn

COMPANY DETAILS:		
FFS Refiners (Pty) Ltd. 104 Umhlatuzana Road Sea View, Durban 4094 SOUTH AFRICA		Ph: 031 459 5300 Fax: 031 459 5326 Email: ffs@ffs.co.za
1) PRODUCT DETAILS:		
Product name:	Ecodyn	
Chemical nature:	Liquid Hydrocarbons (C20 to C32)	
Synonyms:	Process Oil, Neutral Oil, Refined Mineral Oil	
UN no./ SIN:	1268	
2) COMPOSITION		
Complex blend of liquid hydrocarbons consisting of iso- and normal paraffins of the C20 to C32 carbon range. Low sulphur content (less than 1%)		
Dangerous Substances	% (m/m)	Risk Phrase
None identified		
3) HAZARDS IDENTIFICATION		
Inflammable liquid; may be fatal if inhaled, harmful if swallowed or if absorbed through skin; contains probable carcinogen compounds.		
4) FIRST AID MEASURES		
	Symptom and Effect	First Aid
Skin	Prolonged and repeated contact with skin may cause irritation;	Wash with soap and water.
Eyes	Contact with eyes may cause redness, tearing, blurred vision and moderate irritation.	Flush eyes with clean water for 15 minutes. Seek medical advice if irritation persists.
Ingestion	May cause nausea	Small amounts can be washed from mouth until no taste remains.
Inhalation	May cause nausea and dizziness.	Immediately remove to fresh air. Give oxygen if required. Seek medical advice if required.
5) FIRE FIGHTING MEASURES		
SMALL FIRES: Use CO ₂ , foam or dry chemical.		
LARGE FIRES: Use CO ₂ , fluoro protein foam or dry chemicals to extinguish the fire. Use water to cool fire-exposed containers/ structures and to protect personnel. Combustion may release toxic chemicals; utilise respirators; avoid low lying areas.		
6) ACCIDENTAL RELEASE MEASURES		
Shut off leaks. Remove all sources of heat or flame. Control spill by use of booms, sand, sawdust or any other suitable available medium. Recover as much free product as possible using pumps or mechanical means. Absorb residue with sawdust, sand or other absorbent material. Avoid the product entering storm water drains or waterways.		
7) HANDLING AND STORAGE		
Handling: Protective clothing should be worn when handling the product. Application of protective hand creams may be beneficial.		
Handling temperature: Avoid extreme temperatures		



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Storage: Store away from strong oxidisers. Incompatible with sulphuric acid, nitric acid, caustics, aliphatic amines and amides.	
Storage Conditions: Storage conditions should comply with SANS Code 10131:2004 and SANS Code 10089:2003. Product should be stored in a well ventilated area. Sparks, flames and other sources of ignition near the product should be avoided. Do not eat, drink or smoke in storage area.	
8) EXPOSURE CONTROLS/ PERSONAL PROTECTION	
Occupational Exposure Limits:	OHSA 5 mg/m ³ TWA OEL-CL (Oil mist)
Controls:	Ensure adequate tank ventilation
Personal Protection:	If engineering controls and work practices are not effective in controlling this material, then wear suitable personal protection equipment including overalls, impervious gloves, respirators, safety goggles, safety boots or gumboots.
9) PHYSICAL AND CHEMICAL PROPERTIES	
Yellow to red with slight odour. Very low solubility in water.	
Density @ 20 ^o C, kg/l: 0.87-0.88	
Flashpoint @ 101, 325 kPa: >90 ^o C	
Boiling Point: approximately 185 ^o C	
Viscosity (cSt): 20 @ 40 ^o C	
10) STABILITY AND REACTIVITY	
Avoid strong oxidisers. Incompatible with sulphuric acid, nitric acid, caustics, aliphatic amines and amides.	
11) TOXICOLOGICAL INFORMATION	
Potential harmful effects to liver, kidneys, heart, lungs and nervous system may result from chronic over-exposure	
12) ECOLOGICAL INFORMATION	
No ecological problems are expected if the product is handled and used with due care. When released to the environment, some evaporation and bio-degradation will occur. May contaminate groundwater reserves. Material is moderately toxic to aquatic organisms.	
13) DISPOSAL CONSIDERATIONS	
Do not flush to drain/ storm sewer. Product must be disposed of in an approved hazardous waste disposal site or an approved incinerator.	
14) TRANSPORT INFORMATION	
UN no./ SIN	1268
ICS:	Class 3: Group III
IMDG Code:	Class 3
Marine Pollutant:	Yes



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15) REGULATORY INFORMATION

National Legislation	National Road Traffic Act 93 of 1996 Hazardous Substances Act 15 of 1973 Occupational Health and Safety Act 85 of 1993 Hazardous Chemical Substances Regulation GNR 1179
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16) OTHER INFORMATION

For more information please contact FFS Refiners' Customer Services Department on (031) 459 5300

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