



Material Safety Data Sheet

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Issued:	10 05 2006
Revised:	14 06 2008
Rev. NO.:	5
Product:	Ship slops & sludges

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:	Ship Slops and Sludges	
Chemical nature:	Liquid Hydrocarbons (C10 – Bitumen, sand and seawater)	
Synonyms:	N/A	
UN no./SIN:	1268	
2) COMPOSITION		
Liquid Hydrocarbons and sediment from bunker oil. Ship Slops may contain sand, seawater and other heavy oil.		
3) HAZARDS IDENTIFICATION		
Inflammable (flashpoint above 61 °C); partially volatile at temperatures in excess of 120 °C; can be ignited at temperatures in excess of 100 °C if atomised with copious air supply; non-toxic unless ingested in large quantities; mild skin irritant; inhalation of fumes may cause headaches, dizziness and nausea.		
4) FIRST AID MEASURES		
	Symptom and Effect	First Aid
Skin	Prolonged and repeated contact with skin may cause severe irritation; Toxic if absorbed through the skin; potentially carcinogenic.	Wash off with copious quantities of water, then with soap and warm water until no odour remains.
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	Harmful or fatal if swallowed. Ingestion of this product may cause central nervous system effects.	If victim is alert, give large amounts of water to drink and seek medical advice. Small amounts can be washed from mouth until no taste remains. DO NOT INDUCE VOMITING.
Inhalation	Excessive exposure may cause respiratory tract irritation. Repeated prolonged exposure to high concentrations may lead to central nervous system effects, headaches, dizziness and loss of co-ordination.	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.		



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6) ACCIDENTAL RELEASE MEASURES	
Full protective clothing, rubber gloves (PVC, Neoprene, Nitrile, or Viton), gumboots and overalls to be worn. 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	
Separation of at least 3m from the following classes: Flammable Liquids; Flammable Solids; Spontaneous Combustibles; Poison. Fire separation of at least 5m from the following classes: Flammable Gases, Oxidising Agents; Organic Peroxides. Storage in the vicinity of the following classes is prohibited: Explosives, Radio-actives. Store in accordance with the relevant SANS Code of Practice.	
8) EXPOSURE CONTROLS/ PERSONAL PROTECTION	
Occupational Exposure Limits: Controls:	OHSA 16 mg/m ³ TWA OEL-CL. Store in accordance with the relevant SANS codes 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, safety goggles, safety boots or gumboots.
9) PHYSICAL AND CHEMICAL PROPERTIES	
Brown/ black liquid with paraffin odour. Immiscible with water. Specific Gravity: 0.88 to 1.05 Flashpoint: >61 °C Boiling Point: >150 °C Viscosity (cSt): 2 @ 100 °C to solid, Pour point may be above 30 °C	
10) STABILITY AND REACTIVITY	
Partially volatile at temperatures in excess of 100 °C; can be ignited at temperatures in excess of 100 °C or if atomised with copious air supply.	
11) TOXICOLOGICAL INFORMATION	
Some components of the product are suspected carcinogens. Potential harmful effects to liver, kidneys, heart, lungs and nervous system may result from chronic over-exposure. Some of the components of the product have been associated with immunological, reproductive, fetotoxic and genotoxic effects.	
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. Some components of the product are soluble in water and may contaminate groundwater reserves. Some components of the product will persist in soil. Material is moderately toxic	



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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.

At sea, used or unwanted product should be stored for eventual discharge into port-approved waste oil disposal facilities.

14) TRANSPORT INFORMATION

UN no./SIN	1268
ICS:	Class 3: Group III
IMDG Code:	Class 3
Marine Pollutant:	Yes

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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