

Material Safety Data Sheet

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Section 1 Product Name	Chemical Product and Company Identification MARINE GAS OIL / DIESEL OIL			
	FEOSO OIL TRADING LIMITED			
Company Name				
Company Address	9-11/F., Feoso Building, 877 Lai Chi Kok Road, Kowloon, Hong Kong			
	Tel: (852)3162 3888 Fax: (852)3162 3600			
Emergency Information	Email: feosobkr@feoso.com.hk			
Section 2	Composition / Information On Ingredients			
This product is regulated as a composition and the ingredients as follows				
Diesel Oil	100 %			
Naphthalene	0.5%			
Ethyl Benzene	0.5%			
Luiyi Denzene	0.570			
Section 3	Hazards Identification			
	Combustible			
Emergency Overview				
Physical / Chemical Hazards	Material can release vapours and flammable mixture. Vapour accumulation			
	could flash and/or explode if ignited. Thermal bum hazard- contact with hot			
	material may cause thermal burns. Material can accumulate static charges			
** ** ** *	which may cause an Incendiary electrical discharge.			
Health Hazards	May cause cancer. Possible risk of harm to the unborn child. Harmful-danger of			
	serious damage to health by prolonged exposure in contact with skin. A highly			
	toxic gas, Hydrogen Sulfide may be present and may result in eye, skin, or			
	respiratory irritation, signs and symptoms of over exposure to hydrogen sulfide			
	include respiratory and eye irritation, dizziness, nausea, coughing a sensation of			
	dryness and pain in this nose, and loss of consciousness.			

Environmental Hazards Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Note: This material should not be used for any other purpose then the intended use as fuel oil. Health studies have shown that chemical exposure may cause potential human risks which may vary from person to person.

Section 4	First Aid Measures
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical assistance.
Skin Contact	Remove contaminated clothing. Dry wipe exposed and cleanse with waterless hand cleaner and follow by washing thoroughly with soap and water. Get medical attention if irritation develops.
Inhalation	Immediately remove from further expose. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. However, get immediate medical assistance.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Section 5	Fire-fighting Measures
Section 5 Extinguishing Media	Fire-fighting Measures Do not use straight streams of water. Use water fog, foam, dry chemical or carbon dioxide (CO ₂) to extinguish flames.
	Do not use straight streams of water. Use water fog, foam, dry chemical or

Section 6	Accidental Release Measures		
Personal Precautions		ve equipment (Section	Keep unnecessary personnel away. on 8). Follow all fire fighting
Spill Management			material and place in a sealed,
			ge dike spilled material for later
Environmental Precautions	Minimize contact of spilled material with soils to prevent entry into waterways, sewers, basements or confined areas. See Section 13 for disposal information.		
Section 7	Handling and Storage		
Handling	static electricity, and	open flame. Harmful d inhalation of vapor	n sources, heat, sparks, pilot lights, l in contact with or if absorbed s or mists. Use in well ventilated
Storage	Store in a cool, exclu	usive and well-ventila ums must be earthed	ated area. Keep container tightly I and bonded. Avoid all possible
Section 8	Exposure Controls / P	arsonal Protection	
Exposure Limit Values	Substance Name	TWA	STEL
Ī	NAPHTHALENE	10ppm	15ppm
	ETHYL BENZENE	100ppm	125ppm
Note: Consult local authorities			
Control Measures	Use non-spark ventilati limits.	on or other engineerin	ng controls to stay below exposure
Hygiene Measures			after handling compounds before
Personal Protection	cuting, smoking and us	ing invitory.	
Eyes	Safety glass with side s	hields.	
Skin and Body	Avoid contact with skin. Wear clothing and footwear that cannot be penetrated by fuel oil.		
Respiratory	Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the recommended exposure limit. Self-contained breathing apparatus may be required for use in confined or enclosed spaces.		
Hands	Wear gloves that canno		
Section 9	Physical and Chemica	l Properties	
Physical State Odor	Liquid Characteristic Hydrocar	rhon	
Colour	Clear (May Be Dyed)	10011.	
Density at 15°C kg/m ³	0.89-0.92		
Solubility	Negligible		
Viscosity	$6.0 - 14.0$ at 40° C		
Section 10	Stability and Reactivit		
Stability	Material is stable under		
Conditions to Avoid	Excessive heat. High er	0, 0	
Materials to Avoid Hazardous decomposition	Halogens, Alkalis, Strong oxidizers, Strong Acids. Material does not decompose at ambient temperatures. When heated to		
Hazardous polymerization	decomposition it emits toxic fumes. Will not occur.		
Section 11	Toxicological Informa	tion	
Acute Toxicity	ioarcologicai initi illa	4011	
Inhalation	Toxicity (Rat): >5000m		
	Minimally Toxic. Based	d on assessment of the	e components.

	Irritation: No end point data. Negligible hazard at	t ambient/normal handling	
	temperatures. Based on assessment of the component	ts.	
Ingestion	Toxicity (Rat): >2000mg/kg		
	Minimally Toxic. Based on test data for structurally	similar materials.	
Skin	Toxicity (Rabbit): >2000mg/kg		
	Minimally Toxic. Based on test data for structurally s		
	Irritation (Rabbit): Negligible irritation to skin at an	nbient temperatures. Based	
	on assessment of the components.	Dest to the Dest 1	
Eye	Irritation (Rabbit): May cause mild, short-lasting dis	scomfort to eyes Based on	
Chronic / other effects	assessment of the components.		
For the product itself:	Diesel Fuel Oil: Carcinogenic in animal tests. C	Caused mutations in vitro	
For the product itsen.	Dermal exposure to high concentrations resulted in a		
	fetal weight and fetal survival, and some external fe		
	studies in animals: Increased mortality, skin irritat		
	bone marrow, blood and lymphoid tissue toxic effe		
	photo allergen.		
Contains:	Hydrogen Sulfide: High level (700ppm) acute exp	osure can result in sudden	
	death. High concentrations will lead to cardiopulmo		
	system toxicity and pulmonary edema. Lower levels		
	sense of smell, eliminating warming of exposure.	Symptoms of overwhelm	
	sense of smell. Eliminating warming of exposure, S		
	to H ₂ S include headache, fatigue, insomnia, irrita		
	problems. Repeated exposures to approximately 2		
	membranes and the respiratory system and have be	een implicated in some eye	
	damage.		
Other Information	If inhaled in sufficient quantities of ash from boilers in which this product has		
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	been burned, could be harmful. The ash is also expe	cted to cause skin irritation	
	following extended skin contact, and the soot and	cted to cause skin irritation	
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Section 12	following extended skin contact, and the soot and carcinogenic.	cted to cause skin irritation	
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Flammable Liquid / III Flammable Liquid / III

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GAS OIL

IATA Classification UN1202

Section 15 U.S. Federal Regulations	Regulatory InformationUS Inventory (TSCA)SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part355): This product not regulated under Section 302 of SARA and 40 CFR Part355.SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370):Fuel Oil. Residual: Fire Hazard, Immediate (Acute) Health Hazard, Delayed(Chronic) Health Hazard.CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): Thismaterial is not regulated under CERCLA Sections 103 and 107.
EU Classification	As defined by physical/chemical and health criteria of the EU Dangerous Substances/Preparations Directives: Material is dangerous. Cat. 2 Carcinogens. Cat. 3 Toxic to reproduction. Harmful. The classification of this product is based all or in part on test data.
Regulatory Status	Complies with the following national/regional chemical inventory requirements: AICS, DSL, EINECS, TSCA.
Section 16 Label Requirements	Other Information WARNING COMBUSTIBLE CONTAINS MATERIAL WHICH MAY CAUSE DAMAGE TO THE SKIN AND THE FOLLOWING ORGANS: LIVER, LUNG AND BLOOD SYSTEM. Toxic Gas: Hydrogen Sulfide (H ₂ S) gas may accumulate in storage tanks of bulk transport compartments containing this material.
Notice to reader	BOILER ASH HARMFUL This information and recommendations are offered for the involved authorities' consideration and examination. Despite our efforts, it may not be up to date or applicable to the circumstances of any particular case. We are not responsible for any damage or injury resulting form abnormal use, from any failure or form hazards inherent in the nature of the product. It is the user's responsibility to satisfy that the product is suitable for the intended use.