

A. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Marine Gas Oil
Other Name	Diesel Fuel
Chemical Family	Hydrocarbon Liquid
Product Use	Marine Diesel Fuel
Supplier	Asean International Ltd
Address	#824- 5EA, DAFZA Dubai, U.A.E. PO Box 5809
Telephone	+971-4-6091665

B. HAZARD IDENTIFICATION

Emergency Response Data

Light amber liquid and flammable. This product can accumulate a static charge and release vapors which may cause a fire and explosion.

C. POTENTIAL EFFECTS OF EXPOSURE

Inhalation

Respiratory irritation, dizziness, nausea and loss of consciousness. In case of exposure death is possible. Diesel exhaust may cause lung cancer.

Eye Contact

Eye irritation may result from contact with liquid mists, and/or vapors.

Skin Contact

Skin irritation may occur upon prolonged or repeated skin contact; also skin contact with hot oil may cause severe thermal burns.

Ingestion

Nausea, vomiting, diarrhea, and restlessness.

Low viscosity material if swallowed, may enter the lungs and cause lung cancer.

Overexposure Effects

This product may contain aromatic oils. Although there is no specific evidence that this material is carcinogenic to humans, experiments have shown that similar materials containing polycyclic aromatic Hydrocarbons have caused skin cancer on test animals. Toxic to fish, aquatic organisms and wildlife. Do not discharge into lakes, streams, ponds and ground water supply.

D. FIRE AND EXPLOSION

Unusual Fire and Explosion Hazards:

Moderately combustible when heated above the flash point, this material will release flammable vapors which if exposed to a source of ignition can burn or be explosive in confined spaces. Mists or sprays may be flammable at temperatures below the normal flash point. Keep away from heat and open flame.

Extinguishing Media:

Use Dry chemical, Halon and Carbon Dioxide Foam and water fog are effective, but may cause frothing.

Special Firefighting Procedures:

For fires involving this material, always use proper protective equipment, including self –contained breathing apparatus. Cool tanks and containers exposed in fire water, improper use of water and extinguishing media containing water may cause frothing which can spread the fire over a larger area.

E. PROTECTION

Occupational Exposure Limits (OELs)

Sr. No.	Component	TWA	Value
1	Marine Gas Oil	LTTEL	100G/M3 (15 PPM)

LTTEL: Long Term Exposure Limit – Time Weight Average over 08 hours.

Respiratory

None is needed under normal conditions with adequate ventilation. If exposure exceeds the control limits, respiratory protective equipment must be worn.

Ventilation

Use adequate ventilation to keep oil mists/vapors below the occupational exposure limits. Special ventilation may be required for handling conditions at elevated temperatures.

Eye

Eye protection (chemical-type goggles and/or face shield) should be worn whenever there is a likelihood of splashing or spaying liquid. Contact lenses should not be worn. Eyewash water should be provided.

Skin

When skin contact is possible, and especially when handling hot material, protective clothing such as gloves, impervious apron, long-sleeves, boots, and face protection must be worn.

F. EMERGENCY AND FIRST AID

Inhalation

Immediately remove from contaminated area to fresh air. For respiratory distress, give oxygen or administer CPR (cardiopulmonary resuscitation), if necessary. Obtain prompt medical attention.

Eye Contact

Flush with clean low-pressure water for at least 15 minutes. If irritation persists, obtain medical attention.

Skin Contact

Remove contaminated clothing. Wash affected area thoroughly with soap and water. If irritation persists, seek medical attention. Wash clothing thoroughly before reuse, but discard contaminated leather goods. Hot liquid may cause burns: flush with cool low-pressure water and get medical treatment.

Ingestion

Do not induce vomiting, since aspiration into the lungs will cause chemical pneumonia. Obtain medical attention promptly.

G. ACCIDENTAL RELEASE MEASURES

Ventilate the area and avoid breathing vapor. Wear appropriate personal protective equipment, including appropriate respiratory protection. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Avoid contact with skin, eyes or clothing.

Reporting

Report spills or releases as required to appropriate authorities.

Methods for cleaning up

Eliminate sources of ignition. Warn occupants and/or ships in the downwind areas of fire and explosion hazard, and warn them to stay clear.

Water Spill

Notify and relevant authorities. Confine with booms if skimming equipment is available to recover the spill for later recycling or disposal. If permitted by local authorities and environmental agencies disperse in unconfined waters. If allowed by regulatory authorities the use of suitable dispersants should be considered where recommended in local oil spill procedures.

H. HANDLING AND STORAGE

Handling

Keep product away from high energy ignition sources heat, sparks, static electricity and open flames. Harmful if comes in contact with, or absorbed through skin. Avoid inhalation of vapours or mists.

Storage

Store away from all ignition sources in a cool, well ventilated area. This product is a static accumulator, therefore all storage containers should be grounded and bonded.

I. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light/Dark amber
Color	Light/ Dark yellow
Odor	Petrol diesel
Flash Point	>60° C (ASTM D-93 B)
Flammability	350 degC
Boiling point	160-400 C
Density at 15 C Kg/L	0.89 max
Auto-ignition	Not determinatre
Pour point C	<6
Viscosity, kinematic at 50 C	>6.0 cst

DISCLAIMER

Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use of the product are beyond our control; all risks of use of the product are therefore assumed by the user and we expressly disclaim all warranties of every kind. Appropriate warnings and safe handling procedures should be provided to handlers and users.