

MAYO HOSPITAL, LAHORE

<u>MATERIAL SAFETY DATA SHEET</u> DIESEL FUEL	Item No.	MHL/MSDS/01
	Revision No.	1.0
	Issue Date	16-10-2023

1. IDENTIFICATION

Product Identifier: Diesel Fuel
Intended use of the product: Fuel

2. HAZARD IDENTIFICATIONLabeling Elements

Signal Word (GHS-US):

Danger

Hazard Statements (GHS-US):

H226 – Flammable liquid and vapor.
H315 – Causes Skin irritation.
H304 – May be fatal if swallowed and enters airways.
H336 – May cause drowsiness or dizziness.
H350 – May cause cancer.
H411 – Toxic to aquatic life with long lasting effects. H319 – May cause eye damage/irritation.

Precautionary Statements (GHS-US): P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 - Keep container tightly closed.
P240 – Ground/bond container and receiving equipment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	% (w/w)	Classification
Diesel Fuel	100	Flam Liq. 3, H226; Skin Irrit. 2, H315; Aspiration 1, H304; STOT SE 3, H336; Carc.2. H350; Aquatic chronic 2, H411

Diesel Fuel consists of C9+ hydrocarbons resulting from distillation of crude oil.

4. FIRST AID MEASURES

Route	Measures
Inhalation	Remove person to fresh air. If person is not breathing, ensure an open airway and provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.
Ingestion	Aspiration Hazard: DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Ingestion may cause gastrointestinal disturbances and central nervous system (brain) effects similar to alcohol intoxication. In severe cases, convulsions, loss of consciousness, coma, respiratory failure, and death may occur.
Eye Contact	In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 min. Hold eyelids open to ensure adequate flushing. Seek medical attention. In case of contact lenses, remove immediately.
Skin Contact	Remove contaminated clothing and shoes. Wash contaminated areas thoroughly with soap and water. Obtain medical attention if irritation or redness develops. Thermal burns require immediate medical attention.

5. FIRE-FIGHTING MEASURES

SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, CO₂, water spray, firefighting foam. Small fires in the incipient (beginning) stage may typically be extinguished using handheld portable fire extinguishers and other firefighting equipment.

LARGE FIRES: Foam, carbon dioxide, dry chemical. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Due to high vapor density, flammable / toxic vapors may be present in low lying areas, pits, drains. Ventilate the area. Use of non-sparking tools and safe equipment is recommended.

Emergency Measures

As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Evaluate the direction of product travel, diking sewers, etc. to confirm spill areas. Do not touch or walk-through spilled material.

Containment and Clean-Up Methods

Carefully contain and stop the source of the spill, if safe to do so. Protect bodies of water by diking absorbents, if possible. The proper use of water spray may effectively disperse product vapors or the liquid itself, preventing contact with ignition sources.

7. HANDLING AND STORAGE

USE ONLY AS A FUEL

Handling Precautions

Handle as a flammable liquid. Keep away from heat, sparks, and open flame. No smoking.

Storage

Large quantities of diesel fuel are stored in tanks or portable containers at an ambient storage temperature. Keep away from flame, sparks, and open flame. Use approved vented containers that are clearly labeled.

MAYO HOSPITAL, LAHORE

MATERIAL SAFETY DATA SHEET**PHENYL**

Item No.

MHL/MSDS/02

Revision No.

1.0

Issue Date

16-10-2023

1. IDENTIFICATION

Product Identifier:

Phenyl

Intended use of the product:

Surface & Floor Cleaner / Disinfectant

2. FIRST AID MEASURES**Eye Contact:**

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:

If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical got on the victim's exposed skin, such as the hands. Gently and thoroughly wash the contaminated skin with running water and soap.

Serious Skin Contact:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:

Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

In case of serious Inhalation:

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation.

3. FIRE AND EXPLOSION DATA

Flammability of the Product: Combustible
Auto-Ignition Temperature: 174°C (345.2°F)

4. ACCIDENTAL RELEASE MEASURE

Small Spill:

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill:

Combustible material. Corrosive liquid.
Keep away from heat.

5. HANDLING AND STORAGE

Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material.

6. EXPOSURE CONTROLS /PERSONAL PROTECTION

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection in case of spill:

Splash goggles, Lab coat, Vapor respirator, Gloves.