

TURNOL 40**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY**

Product Name	TURNOL 40
Supplier:	PETRON CORPORATION San Miguel Head Office Complex 40 San Miguel Avenue, Mandaluyong City PHILIPPINES
Product Type	Petroleum Hydrocarbons with Additives
Recommended Use	Metalworking Fluid
Telephone No.	(02) 8-884-9200
Website	www.petron.com

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION Aquatic Acute, Category 3
Aquatic Chronic, Category 3

GHS LABELING

Pictogram



Signal Word

Warning
H316: Causes mild skin irritation
H320: Causes eye irritation
H412: Harmful to aquatic life with long lasting effects

Precautionary Statements

Prevention

P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P264: Wash hands/skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P273: Avoid release to the environment.

Response

P332 + P313: If skin irritation occurs: Get medical advice/attention.
P362 + P364: Take off contaminated clothing and wash it before reuse
P305 + P351 + P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313: If eye irritation persists: Get medical advice/attention.

Storage

P405: Store locked up.

Disposal

P501: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other Hazard Information:

Defatting to the skin.
Used oil may contain hazardous components which have potential to cause cancer.

SECTION 3:**COMPOSITION/INFORMATION ON INGREDIENTS**

Composition	CAS Number	% Weight
Paraffinic Distillate, Solvent Dewaxed	64742-65-0	80 – 95
N, N-Methylenbismorpholine	5625-90-1	1.5 – 2.0
Sulfonic acids, petroleum, sodium salts	68608-26-4	0.1 – 1.0
2,2' - oxybisethanol	111-46-6	0.1 – 1.0
2,2'-iminodiethanol	111-42-2	0.1 – 1.0
Potassium hydroxide	1310-58-3	<0.5
Lauryl alcohol ethoxylate/Ethoxylated fatty alcohol	9002-92-0	2 - 10

SECTION 4:**FIRST AID MEASURES**

Eye Contact	Immediately flush eyes with large amount of water for at least 15 minutes or until irritation subsides. If irritation persists, get prompt medical attention.
Skin Contact	Immediately flush with large amount of water; use soap if available. Remove contaminated clothing and shoes, and launder before reuse.
Inhalation	If overexposed to oil mist, using proper respiratory protection, immediately remove the affected person immediately to fresh air. Keep at rest. Call for prompt medical attention.
Ingestion	Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth Get immediate medical attention.

SECTION 5:**FIRE-FIGHTING MEASURES**

Flash Point, COC, °C	180
Extinguishing Media	In case of fire use foam, carbon dioxide or dry chemical extinguishers.
Special Fire-fighting Procedures	Do not use water jet as an extinguisher.
Hazards from the substance	In a fire or if heated, the container may burst due to pressure increase.

SECTION 6:**ACCIDENTAL RELEASE MEASURES**

Land Spill	Stop leak or spillage. Move containers from the spill area. Soak up with an inert dry material if water-insoluble. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
Water Spill	Use booms to confine spills immediately. Remove from water surface by skimming or with suitable adsorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.



SECTION 7: HANDLING AND STORAGE

Handling Procedures

Keep away from potential sources of ignition. Open container in a well ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Wash thoroughly after handling. "Empty" containers with retained product residue (liquid or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode and cause death or injury. Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner, or properly disposed off.

Storage Procedures

Do not store near potential sources of ignition. Store in a well-ventilated area. Keep container tightly closed and sealed. Do not store in unlabelled container.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Personal Protection

Ventilation Procedures

The use of local exhaust ventilation is recommended to control mists or vapors. Additional ventilation or exhaust may be required to maintain air concentrations below exposure limits.

Hand Protection

Use chemical resistant gloves.

Eye Protection

Where contact may occur, wear safety glasses with side shields.

Respiratory Protection

Use NIOSH/OSHA approved full-face respirator with a combination organic vapor and high efficiency filter cartridge if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear
Odor	Strawberry
Kinematic Viscosity at 40°C, cSt	30.60
Kinematic Viscosity at 100°C, cSt	5.316
Density at 15 °C, kg/L	0.8818
Flash Point, °C	180
pH	No data
Boiling Point, °C	No data
Melting Point, °C	No data
Vapor Pressure, kPa	No data
Vapor Density	No data
Solubility in Water	Insoluble
Evaporation Rate	No data
Flammability	Non flammable
Partition Coefficient	No data
Auto-ignition Temp, °C	No data



Decomposition Temp, °C	No data
Explosion limits	No data

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No data available.
Stability	This product is stable and hazardous polymerization will not occur.
Incompatibility	Oxidizing agents
Polymerization	Not Applicable

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity	Not available.
Skin Corrosion/Irritation	Slightly irritant to skin.
Respiratory/Skin Sensitization	No available information
Germ Cell Mutagenicity	No available information.
Aspiration Hazard	No available information
Carcinogenicity	Not available.
Reproductive Toxicity	Not available.
Specific Target Organ Toxicity	Not available.

SECTION 12: ECOLOGICAL INFORMATION

Acute Toxicity	No data
Chronic Toxicity	No data
Environmental Mobility	No information available.
Environmental Degradability	No information available.
Ecotoxicity & Bioaccumulation	Toxic to aquatic life with long lasting effects

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal	Material, if discarded, is expected to be hazardous waste due to toxicity. Waste management should be in compliance with local and national regulations.
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SECTION 14: TRANSPORT INFORMATION

Land	This product is not regulated for road/rail transport.
Sea	IMDG (Packaged Goods and BLCs). This product is not regulated for sea transport.
Air	(ICAO/IATA). This product is not regulated for air transport.



SECTION 15:**REGULATORY INFORMATION**

Material is non-hazardous under Occupational Safety and Health (Classification, Labeling, and Safety Data Sheet of Hazardous Chemical) Regulations 2013.

The Chemical Substances present in this product are listed under Philippine Inventory of Chemicals and Chemical Substance (PICCS).

SECTION 16:**OTHER INFORMATION**

Approvals

Research and Development Department
Petron Corporation

This safety data sheet contains the following revisions **0**

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