

VEEDOL INTERNATIONAL DMCC

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME VEEDOL MARATRON 10W-40	Sheet Revision No. Last Revision Issue Date	1 of 5 0 ----- 02-07-2012
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SECTION - I : PRODUCT AND COMPANY IDENTIFICATION

Trade Name	VEEDOL MARATRON 10W-40
Manufacturer's / Supplier's Name	VEEDOL INTERNATIONAL DMCC
Street Address	1501, Indigo Icon, JLT
City	Dubai, UAE
P. O. Box	117019
Emergency Telephone No.	+971 4 3688416

SECTION II : COMPOSITION

Description: A blend of high quality synthetic base oils formulated with dispersant/detergent additives and polymeric viscosity improver additives.

Hazardous Components No component is present at sufficient concentration to require a hazardous classification for health in accordance with EC legislation.

<u>Components</u>	<u>CAS NO.</u>
Polyolefin polyamine succinimide, borated	147880-09-9
Alkaryl amine	68411-46-1
Polyolefin polyamine succinimide, polyol	147880-09-9
Calcium long chain alkaryl sulfonate	61789-86-4

SECTION - III: HAZARDS IDENTIFICATION

Health: This product is not classified as hazardous under current UK Health & Safety and Environmental Legislation when used in the application for which it is intended. However, prolonged skin contact with the product may result in skin disorders, with an increased risk if the product is used or contaminated. For further toxicological information refer to Section 11.

SECTION - IV: FIRST AID MEASURES

Inhalation: Remove the affected person to fresh air. If recovery is not rapid, obtain medical attention.

Skin Contact: Wash the affected parts of the body with soap and water. Change contaminated clothing. Dry clean and launder before re-use. No emergency measures are necessary but if adverse skin effects follow, refer for medical attention.

Ingestion: Do not induce vomiting. Wash out mouth with water and seek immediate medical attention. Drinking water may be beneficial. Treat symptomatically

Eye Contact: Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. If adverse eye effects follow, refer for medical attention.

Pressure Injection: Obtain immediate medical attention even though the injury may appear minor.

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SECTION V : FIRE FIGHTING MEASURES

<u>Flash Point:</u>	220°C (COC)
<u>Extinguishing Media:</u>	Foam, Dry Chemical, Carbon Dioxide, Water Mist
<u>Specific Exposure Hazards:</u>	Combustion can produce carbon monoxide, carbon dioxide, water vapour, unburnt hydrocarbons, partially oxidised organic compounds and unidentified inorganic compounds, some of which may be toxic.
<u>Specific Protective Equipment for Fire Fighters:</u>	Use self-contained breathing equipment when fighting fire in confined spaces. Material floats on water. Water may be used to cool containers exposed to fire.
<u>Explosion Data:</u>	Material does not have explosive properties..

SECTION VI : ACCIDENTAL RELEASE MEASURES

<u>Personal Precautions:</u>	Surfaces may become slippery after spillage.
<u>Environmental Precautions:</u>	Water may be used to flush spills away from sources of ignition. Do not allow the product to enter public drainage system or open water courses. Bund using absorbent granules, sand, earth or proprietary equipment. Reclaim liquid directly or soak in an absorbent medium and transfer to a suitable marked container.
<u>Spillage Procedure:</u>	Personal Protective Equipment (PPE) must be worn (see Section 8). Ventilate area and prevent entry into sewers and waterways. Collect free liquid for recycling or disposal. Residual material can be collected using absorbent material.
<u>Absorbent Materials:</u>	Sand, active clay or absorbent sheeting.
<u>Disposal of Spillage:</u>	By incineration or via authorised / licensed waste disposal contractor. Disposal must be in accordance with local regulations and current national legislation.

SECTION VII : HANDLING AND STORAGE

<u>Handling:</u>	Avoid contact with the eyes – wear chemical protective goggles when handling the product. Protective clothing such as impervious gloves should be worn if skin contact is anticipated. Protective clothing should be regularly inspected and maintained. The use of barrier and after work creams may be beneficial.
<u>Storage:</u>	Store under cover in a cool and dry location. Avoid exposure to high heat and sources of ignition.

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SECTION VIII : EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Exposure Limits:</u>	None
<u>Ventilation Procedures:</u>	Use with adequate ventilation.
<u>Eye Protection:</u>	Chemical resistant goggles should be worn when handling, or where any risk of splashing is likely.
<u>Skin Protection:</u>	Where prolonged or repeated contact is unavoidable wear impervious gloves when handling the product.. The use of appropriate barrier and after work creams may be beneficial and gloves should be considered whenever their use is practicable and safe. Change heavily contaminated clothing and overalls as soon as possible.

SECTION IX : PHYSICAL AND CHEMICAL PROPERTIES

<u>Physical State:</u>	Liquid
<u>Colour:</u>	Golden / light brown
<u>Relative Density:</u>	0.850 – 0.880 g/ml at 15°C
<u>Boiling Range:</u>	> 280°C estimated
<u>Viscosity:</u>	Typical, 87 cSt at 40°C Typical, 14 cSt at 100°C
<u>Pour Point:</u>	Typical, -35°C

SECTION X : STABILITY AND REACTIVITY

<u>Stability:</u>	Material is stable at moderately elevated temperatures and pressures. May react with strong oxidising agents, especially at high temperatures.
<u>Conditions to Avoid:</u>	Avoid extreme temperatures, Preferably store between 5°C to 39°C.
<u>Materials to Avoid:</u>	Strong oxidising agents (e.g. chlorates, peroxides)
<u>Decomposition Products:</u>	Hazardous decomposition products are not formed when stored under normal conditions. Incomplete combustion or thermal decomposition may generate such materials as: particulate matter and unburnt hydrocarbons; oxides of carbon; water; partially oxidized organic compounds.

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SECTION XI : TOXICOLOGICAL INFORMATION

This material is characterised as non-toxic because it shows the following characteristics (*based on data from components and similar products):

<u>Eye Irritation:</u>	Unlikely to cause more than transient stinging or reddening if accidental eye contact occurs.
<u>Skin Irritation:</u>	Not expected to be a primary skin irritant*. Prolonged or repeated skin contact may lead to dermatitis.
<u>Respiratory Irritation:</u>	Prolonged exposure to oil mists / vapours may cause irritation of mucous membranes and the upper respiratory tract.*.
<u>Dermal Toxicity:</u>	LD50 > 2000 mg/kg* (rabbits)
<u>Inhalation Toxicity:</u>	No data to suggest product is hazardous in this area
<u>Oral Toxicity:</u>	LD50 > 5000 mg/kg* (rabbits)
<u>Dermal Sensitization:</u>	No data available to indicate product or components may be a skin sensitizer
<u>Inhalation Sensitization:</u>	No data available to indicate product or components may be respiratory sensitizers
<u>Chronic Toxicity:</u>	No data available to indicate product or components present at greater than 1.0% are chronic health hazards
<u>Carcinogenicity:</u>	No data available to indicate product or components present at greater than 0.1% may present a carcinogenic hazard
<u>Reproductive Toxicity:</u>	No data available to indicate product or components present at greater than 0.1% may cause reproductive toxicity
<u>Teratogenicity:</u>	No data available to indicate product or components present at greater than 0.1% may cause birth defects
<u>Other:</u>	No other health hazards known Contains mineral oil. Under working conditions which may generate mists observe the US OSHA PEL of 5 mg.m-3 and ACGIH STEL of 10 mg.m-3

SECTION XII : ECOLOGICAL INFORMATION

<u>Water:</u>	Material floats on water. Individual components range from readily to poorly biodegradable, however small spillages into water will be dispersed by evaporation and/or biodegradation.
<u>Soil:</u>	Small quantities will be absorbed into the upper soil layers where biodegradation may take place. Larger quantities may penetrate to anaerobic soil layers where some organic compounds may persist.
<u>Aquatic Toxicity:</u>	May be harmful to aquatic organisms. Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer may also be impaired.

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SECTION XIII : DISPOSAL CONSIDERATIONS

Waste Disposal:

All means of disposal should comply with local and national regulations. Dispose of product and containers carefully and responsibly. Do not allow product to contaminate ponds, water courses, soil or drains. Do not dispose in drains.

SECTION XIV : TRANSPORT INFORMATION

This material is not classified as dangerous for transport under current EC and International legislation.

<u>UN No:</u>	Not classified.
<u>RID/ADR:</u>	Not classified.
<u>IMO:</u>	Not classified.
<u>IATA/ICAO:</u>	Not classified.
<u>Marine Pollution Category</u>	Marpol 73/78 Annex I

SECTION XV : REGULATORY INFORMATION

<u>EC Dangerous Substances / Preparations Classification:</u>	This material is not classified as dangerous for supply under current EC legislation
<u>Risk Phrases:</u>	None
<u>Safety Phrases:</u>	None

SECTION XVI: OTHER INFORMATION

DISCLAIMER:

The data and information contained herein are being furnished for informational purposes only, upon the express condition that each customer shall make its own assessment of appropriate use, appropriate shipping, transfer and storage of materials manufactured by Veedol International DMCC. Although based on information sources it is considered to be accurate and reliable, Veedol International DMCC makes no warranty, either express or implied, including any warranties of merchantability or fitness for a particular purpose, regarding the validity of this information, the information sources upon which the same are based, or results to be obtained, and expressly disclaims liabilities for damages or injuries resulting from the use thereof.