



## I 、 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name : VL 5W20
Product Code : VL 5W20
Uses : Passenger Car Motor Oil
Details of the Manufacturer/Supplier : Address : VENOL Motor Oil Sp. z o.o ul. Lodowa 107 93-232 Łódź Telephone : +48 42 649 15 68

## II 、 HAZARDS IDENTIFICATION

Hazard classification of the chemical : Acute Toxicity : Category 5 (Oral, Dermal, Inhalation) Skin Corrosion/Irritation : Category 3
1. Label Elements : None 2. Signal Words : Warning 3. The Most Important Hazardous Effects : Health Hazards : (1) Eye Contact : Irritation. (2) Skin Contact : May cause dermatitis. (3) Inhalation : Inhalation of oil mist or vapors at elevated temperature may cause respiratory irritation. Environmental Effects : No information is available. Physical and Chemical Hazards : Mist or vapors can produce at elevated temperatures. Specific Hazards : No information on significant adverse effects.
Other hazards which do not : None identified.

## III. COMPOSITION, INFORMATION ON INGREDIENT

Mixtures :

Chemical name	CAS Number	Percent by Weight
Hydro treated heavy paraffinic mineral oil	64742-54-7	60~75%
Additive	-	10~15%
Viscosity Improver	-	10~15%

## IV. FIRST AID MEASURE

● Inhalation :
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Remove exposed person to fresh air if adverse effects are observed. ● Eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. ● Skin Contact : Take off contaminated clothing and wash before re-use. Wash skin thoroughly with soap and water. If skin irritation occurs, get medical attention. Launder contaminated clothing before reuse. ● Ingestion : Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms and effects, acute and delayed : Symptoms : See section 11.
Indication of immediate medical attention and special treatment needed : Treatment : Treat symptomatically.

## V. FIRE FIGHTING MEASURES

Suitable Extinguishing Media : Regular dry chemical, carbon dioxide, water, regular Foam. Large fires: Use regular foam or flood with fine water spray.
Specific Hazards : Incomplete burning can produce carbon monoxide and/or carbon dioxide and other harmful products.
Special Fire Fighting Procedures : 1. Firefighters should wear proper protective equipment stay upwind. 2. Move container from fire area and shut off source if it can be done without risk. 3. Cool containers with water spray until well after the fire is out. 4. Do not scatter spilled material with high-pressure water streams. 5. Keep unnecessary people away, isolate hazard area and deny entry. 6. Avoid inhalation of material or combustion by-products.
Protective Equipment for Firefighters : Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space.

## VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions : 1. Avoid heat, flames, sparks and other sources of ignition. 2. Stop leak if possible without personal risk. 3. Reduce vapors with water spray. ※For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet.
Environmental Precautions : 1. Eliminate all open flame in vicinity of spill or released vapor.



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2. Stop the source of the leak or release.
3. Clean up releases as soon as possible.
4. Contain liquid to prevent further contamination of soil, surface water or groundwater.

- Methods for Cleaning Up :
1. Clean up small spills using sand or other non-combustible material.
  2. Collect spilled material in appropriate container for disposal.
  3. Where feasible and appropriate, remove contaminated soil.
  4. Follow prescribed procedures for reporting and responding to larger releases.

## VII. HANDLING AND STORAGE

- Handling :
1. Wear protective equipment, if exposure conditions warrant.
  2. Wash thoroughly after handling.
  3. Use with adequate ventilation.
  4. Handle in accordance with all current regulations and standards.

- Storage :
1. Keep away from heat, sparks and flames.
  2. Store in well-ventilated area.
  3. Store in a tightly closed container.
  4. Store in a cool, dry place.
  5. Bond and ground during transfer.
  6. Keep separated from incompatible substances.
  7. Storage in accordance with all current regulations and standards.

## VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Control :  
Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

Control Parameter :

Hazardous Material	TWA	STEL	CEILING	BEIs
Mineral Oil Mist	5mg/m <sup>3</sup>	10mg/m <sup>3</sup>	-	-

Personal Protection Equipment :

- Respiratory Protection :  
Not generally required unless needed to prevent respiratory irritation. In case of spill or leak resulting in unknown concentration, use NOISH approved supplied air respirator.
- Hand Protection :  
Wear appropriate chemical resistant gloves.
- Eye Protection :  
Wear splash resistant safety goggles or face shield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.



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● Skin and Body Protection :

Wear appropriate chemical resistant clothing. Remove any chemical soaked clothing immediately.

Monitoring Methods :

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate.

Environmental Exposure Controls :

Minimize release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid	Color : Brown
Odor : No specific irritant odor	Odor threshold : No data available
Specific Gravity : 0.8438 (20°C/20°C)	pH : No data available
Melting Point/ Freezing Point : No data available	Boiling Point/Range : No data available
Flash Point : 230°C Test Method : Open Cup	Flammable Limits : No data available
Flammability (solid, gas) : No data available	Solubility : Insoluble in water
Vapor Pressure : No data available	Vapor Density : No data available
Decomposition Temperature : No data available	Auto-ignition Temperature : No data available
Partition coefficient (n-octanol/water) : No data available	Evaporation rate : No data available

## X. STABILITY AND REACTIVITY

Stability : Stable at normal temperatures and pressure.

Possible Hazardous Reactions : Will not polymerize.

Conditions to Avoid : Extremes of temperature and direct sunlight. Avoid contact with incompatible material.

Materials to Avoid : Acid, strong oxidizing agents.

Hazardous Decomposition Products : Oxides of carbon, various hydrocarbons.

## XI. TOXICOLOGICAL INFORMATION

Acute Toxicity :



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Inhalation : No data available. Skin Contact : No data available. Eye Contact : May irritate to eyes. Ingestion : No data available.
Local Effect : No data available.
Sensitization : No data available.
Chronic Toxicity : Inhalation : No data available. Skin Contact : No data available. Eye Contact : No data available. Ingestion : No data available.
Specific Effects : No data available.

## XII. ECOLOGICAL INFORMATION

<p>Ecotoxicological data have not been determined specifically for this product. Information given is based on knowledge of the components and the ecotoxicology of similar products.</p> <ul style="list-style-type: none"><li>● Acute Toxicity : Poorly soluble mixture. May cause physical fouling of aquatic organisms. Expected to be practically non toxic: LL/EL/IL50 &gt; 100 mg/l (to aquatic organisms) (LL/EL50 expressed as the nominal amount of product required to prepare aqueous test extract). Mineral oil is not expected to cause any chronic effects to aquatic organisms at concentrations less than 1 mg/l.</li><li>● Mobility : Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.</li><li>● Persistence/degradability : Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.</li><li>● Bioaccumulation : Contains components with the potential to bioaccumulate.</li><li>● Other Adverse Effects : Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.</li></ul>
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## XIII. DISPOSAL CONSIDERATIONS



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## Material Disposal :

Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.

## Container Disposal :

Dispose in accordance with prevailing regulations, preferably to a recognized collector or contractor. The competence of the collector or contractor should be established beforehand.

## Local Legislation :

Disposal should be in accordance with applicable regional, national, and local laws and regulations.

## XIV. TRANSPORT INFORMATION

This product is not classified as dangerous for this mode (IATA) of transport. Therefore 14.1 UN Number, 14.2 UN Proper Shipping name, 14.3 Transport hazard classes, 14.4 Packing group, 14.5 Environmental hazards, 14.6 Special precautions for user do not apply.

- Land (as per ADR classification) : Not regulated

This material is not classified as dangerous under ADR regulations.

- IMDG :

This material is not classified as dangerous under IMDG regulations.

- IATA (Country variations may apply) :

This material is not classified as dangerous under IATA regulations.

## XV. REGULATORY INFORMATION

### Suitable Regulations :

All components comply with Australia (AICS), Canada (DSL/NDSL), China (IECSC), European Union (REACH), Japan (ENCS), Korea (ECL), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (TCSCA), United States (TSCA).

## XVI. OTHER INFORMATION

Reference Literatures	1. Globally Harmonized System of Classification and Labeling of Chemicals 2. SDS of Additives
Made By	VENOL Motor Oil Sp. z o.o ul. Lodowa 107 93-232 Łódź



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	+48 42 646 15 68
Creation Date	Aug, 22, 2023

Disclaimer :

1. As the conditions or methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product.
2. Information contained herein is believed to be true and accurate but all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.
3. Compliance with all applicable federal, state, and local regulations remains the responsibility of the user.