

Safety Data Sheet

according to 1907/2006/EC, Article 31

Revision: 23.05.2008

1. Identification of the substance/preparation and of the company/undertaking

Product details





Trade name : **Vetus Marine Diesel Engine Oil 15W40**
Article number : 99.40.07
Application of the substance / the preparation : Lubricating oil
Manufacturer/Supplier: Vetus N.V.
Fokkerstraat 571
3125 BD Schiedam-Holland
Tel.: +31 (0)10 4377700
Further information obtainable from : Product safety department - info@vetus.nl
Information in case of emergency : +31 (0)10 4377700 (9 AM to 4 PM, Monday to Friday)

2. Hazards identification

Hazard description : Not applicable.
Information concerning particular hazards for human and environment : The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Classification system : The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
GHS label elements : Void

3. Composition/information on ingredients

Description : Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 68649-42-3	zinc-dialkyldithiophosphate	1-2.5%
EINECS: 272-028-3	 Xi,  N; R 38-41-51/53	
	Danger:  3.3/1, 3.2/2	
	 4.1.C/2	

Additional information : For the wording of the listed risk phrases refer to section 16.

4. First-aid measures

General information : No special measures required.
After inhalation : Supply fresh air; consult doctor in case of complaints.
After skin contact : Generally the product does not irritate the skin.
After eye contact : Rinse opened eye for several minutes under running water.
After swallowing : Do not induce vomiting; call for medical help immediately.
Information for doctor :
Treatment : If swallowed or in case of vomiting, danger of entering the lungs.

5. Fire-fighting measures

Suitable extinguishing agents : CO₂, dry chemical, or foam. Water can be used to cool and protect exposed material.
For safety reasons unsuitable extinguishing agents : Water with full jet
Special hazards caused by the substance, its products of combustion or resulting gases : Formation of toxic gases is possible during heating or in case of fire.
Protective equipment : Wear self-contained respiratory protective device.
Wear fully protective suit.

6. Accidental release measures

Person-related safety precautions : Wear protective clothing.
Measures for environmental protection : Do not allow to enter sewers/ surface or ground water.

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Measures for cleaning/collecting	: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders sawdust). Remove from the water surface (e.g. skim or suck off).
Additional information	: No dangerous substances are released. See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7. Handling and storage

Handling	:
Information for safe handling	: No special measures required. Avoid the formation of oil haze.
Information about fire - and explosion protection	: No special measures required.
Storage	:
Requirements to be met by storerooms and receptacles	: Store only in the original receptacle.
Information about storage in one common storage facility	: Not required.
Further information about storage conditions	: Store in cool, dry conditions in well sealed receptacles.

8. Exposure controls/personal protection

Additional information about design of technical facilities	: No further data; see item 7.
Ingredients with limit values that require monitoring at the workplace	: Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.
Additional information	: The lists valid during the making were used as basis.
Personal protective equipment	:
General protective and hygienic measures	: Wash hands before breaks and at the end of work.
Respiratory protection	: Not required.
Protection of hands	: Oil resistant gloves
Material of gloves	
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.	
Nitrile rubber, NBR	
PVC gloves	
Neoprene gloves	
Penetration time of glove material	
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.	
Eye protection	: Goggles recommended during refilling
Body protection	: Protective work clothing

9. Physical and chemical properties

General Information	
Form	: Fluid
Colour	: Clear
Odour	: Characteristic
Change in condition	
Melting point/Melting range	: Undetermined.
Boiling point/Boiling range	: Undetermined.
Drip point	:
Pour point	: -35°C
Flash point	: > 101°C
Ignition temperature	: 200°C
Self-igniting	: Product is not selfigniting.
Danger of explosion	: Product does not present an explosion hazard.
Density at 20°C	: 0.881 g/cm ³
Solubility in / Miscibility with water	: Not miscible or difficult to mix.
Viscosity at 40°C	: 110 mm ² /s
Solvent content	:
Organic solvents	: 0.0 %

10. Stability and reactivity

Thermal decomposition / conditions to be avoided	: To avoid thermal decomposition do not overheat.
Dangerous reactions	: Reacts with strong oxidizing agents.
Dangerous decomposition products	: No dangerous decomposition products known.

11. Toxicological information

Acute toxicity	:
Primary irritant effect on the skin	:
on the eye	: No irritant effect.
Sensitization	: No irritating effect.
Additional toxicological information	: No sensitizing effects known.
	: The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
	When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.

12. Ecological information

Information about elimination (persistence and degradability)	:
Other information: The product is difficultly biodegradable.	
General notes	: <i>Water hazard class 2 (German Regulation) (Self-assessment):</i> hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.

13. Disposal considerations

Product	:
Recommendation	
Must not be disposed together with household garbage. Do not allow product to reach sewage system.	

European waste catalogue	
13 02 05	mineral-based non-chlorinated engine, gear and lubricating oils

Uncleaned packaging	:
Recommendation	: Disposal must be made according to official regulations.

14. Transport information

Land transport ADR/RID (cross-border)	
ADR/RID class	: -
Maritime transport IMDG	:
IMDG Class	: -
Marine pollutant	: No
Air transport ICAO-TI and IATA-DGR	:
ICAO/IATA Class	: -
UN "Model Regulation"	: -

15. Regulatory information

Labelling according to EU guidelines	: Observe the general safety regulations when handling chemicals. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV)
Special labelling of certain preparations	: Safety data sheet available for professional user on request.
National regulations	:
Waterhazard class	: Water hazard class 2 (Self-assessment): hazardous for water.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases

38 Irritating to skin.

41 Risk of serious damage to eyes.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Department issuing MSDS : Product safety department.

Contact : Product safety department

Abbreviations and acronyms :

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Reglement internationale concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

Sources

67/548/EEC - Dangerous Substances Directive

99/45/EEC - Dangerous Preparations Directive.