

VO-LI-301

VERYONE® - Material Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No. 2015/830)

Version: 1

Version date: 12/06/2019

Language: EN

1 - COMPANY INFORMATION AND PRODUCT IDENTIFICATION

1-1 Product Identifier

Product Name: VeryOne® Lubricity Improver 301

Product code: VO-LI-301

1-2 Relevant identified uses of the substance or mixture and unadvised uses

Identified uses: Fuel additive to improve lubricity of Diesel fuels and heating oils

Uses advised against: None identified

1-3 Details of the supplier of the safety data sheet

VeryOne - SORGUES site:

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1-4 Emergency phone number:

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2 - HAZARDS IDENTIFICATION

2-1 Classification of the substance/mixture

Classification according to regulation (EC) N° 1272/2008

Not classified.

2-2 Label elements

Not applicable.

2-3 Other hazards

No addition hazards.



3 - COMPOSITION/INFORMATION ON INGREDIENTS

3-1 Substances

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Note: See SDS Section 16 for full text of hazard statements.

3-2 Mixtures

Not applicable.

4 - FIRST AID MEASURES

4-1 Description of first aid measures

First-aid measures general:

If you feel unwell, seek medical advice.

First-aid measures after inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact:

Wash immediately with lots of water. Soap may be used. Take victim to a doctor if irritation persists.

First-aid measures after eye contact:

Rinse immediately with plenty of water. Take victim to an ophthalmologist if irritation persists.

First-aid measures after ingestion:

Rinse mouth with water. Call Poison Information Centre. Consult a doctor/medical service if you feel unwell.

4-2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation:

ON HEATING: Irritation of the respiratory tract.

Symptoms/injuries:

No supplementary information available.

4-3 Indication of any immediate medical attention and special treatment needed

No supplementary information available.

5 - FIRE FIGHTING MEASURES

5-1 Extinguishing media

Suitable extinguishing media:

AFFF foam. BC powder. Carbon dioxide. Dry sand. Dry chemical powder. Adapt extinguishing media to the environment.



Unsuitable extinguishing media:

Solid water jet ineffective as extinguishing medium.

5-2 Special hazards arising from the substance or mixture**Fire hazard:**

Combustible.

Explosion hazard:

Risk of explosion in case of air dust cloud.

Reactivity in case of fire:

On burning: release of (carbon monoxide - carbon dioxide).

5-3 Advice for fire fighters**Other information:**

No supplementary information available.

6 - ACCIDENTAL RELEASE MEASURES

6-1 Personal precautions, protective equipment and emergency procedures**General measures:**

Exposure to heat: have neighborhood close doors and windows, and evacuate.

Wash contaminated clothes.

6-1-1 For non-emergency personnel**Protective equipment:**

See "Material-Handling" to select protective clothing.

6-1-2 For non-emergency personnel**Protective equipment:**

Use protective measures listed in Section 8.

6-2 Environmental precautions

Prevent soil and water pollution.

6-3 Methods and material for containment and cleaning up**For containment:**

Knock down/dilute dust cloud with water spray.

Methods for cleaning up:

Carefully collect the spill/leftovers. If melted: allow liquid to solidify before taking it up. Scoop solid spill into closed containers or into synthetic closed bags. Clean contaminated surfaces with an excess of water and soap solution.

Other information:

No supplementary information available.



6-4 References to other sections

See Sections 8 and 13.

7 - HANDLING AND STORAGE

7-1 Precautions for Safe Handling

Handling temperature:

To handle the product, ≥ 10 °C above melting point.

7-2 Conditions for safe storage, including any incompatibilities

Prohibitions on mixed storage:

KEEP SUBSTANCE AWAY FROM: ignition sources. (Strong) acids. (Strong) bases.

Storage area:

Keep container in a well-ventilated place. Store at ambient temperature. Keep out of direct sunlight. Meet the legal requirements.

Special rules on packaging:

SPECIAL REQUIREMENTS: closed. Correctly labelled. Meet the legal requirements.

Packaging materials:

SUITABLE MATERIAL: steel with plastic inner lining. Stainless steel. Aluminum. PEHD.

7-3 Specific end use(s)

No additional information available.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

8-1 Control parameters

No additional information available.

8-2 Exposure controls

Personal protective equipment:

Protective clothing. Safety glasses. Nitrile gloves.



9 - PHYSICAL AND CHEMICALS PROPERTIES

9-1 Information on basic physical and chemical properties

| | |
|--|----------------------------------|
| Physical state: | Liquid |
| Appearance (room temperature): | Liquid |
| Colour: | Light yellow to dark yellow. |
| Odour | Characteristic odour. Mild odour |
| Odour threshold: | No data available |
| pH: | < 7 |
| Relative evaporation rate (butylacetate=1): | No data available |
| Melting point: | ca. 8 °C |
| Freezing point: | ca. 9 °C |
| Boiling point: | > 250 °C |
| Flash point: | > 180 °C (ASTM D92) |
| Auto-ignition temperature: | > 300 °C |
| Decomposition temperature: | No data available |
| Flammability (solid, gas): | No data available |
| VAPOUR pressure: | < 0,01 hPa (20 °C) |
| Relative vapour density at 20 °C: | No data available |
| Relative density: | No data available |
| Density: | ca. 0,9 (20°C) |
| Solubility: | Water: < 0,005 g/100ml (25 °C) |
| Log Pow: | > 5 (est.) |
| Viscosity, kinematic: | Ca. 35 cSt (20°C) |
| Explosive properties: | No data available |
| Oxidising properties: | No data available |

9-2 Other information

| | |
|--------------------------|---|
| VOC content: | < 0,1 % (2010/75/EU) |
| Other properties: | Poorly soluble in water. Soluble in oils/fats. Soluble in most organic solvents. |

10 - STABILITY AND REACTIVITY

10-1 Reactivity

See following sections.

10-2 Stability

The product is stable under normal conditions.

10-3 Possibility of hazardous reactions

No additional information available.

10-4 Conditions to avoid

No supplementary information available.



10-5 Incompatible materials

(Strong) acids and (strong) bases.

10-6 Hazardous decomposition products

No supplementary information available. See section 5.2.

11 - TOXICOLOGICAL INFORMATION

11-1 Information on toxicological effects**11-1-1 Information on the substance**

| | |
|--|--------------------------|
| Acute toxicity: | Not classified. |
| LD50 oral rat: | > 2000 mg/kg Non-toxic |
| Skin corrosion/irritation: | Not classified ; pH: < 7 |
| Serious eye damage/irritation: | Not classified ; pH: < 7 |
| Respiratory or skin sensitisation: | Not classified |
| Germ cell mutagenicity: | Not classified |
| Carcinogenicity: | Not classified |
| Reproductive toxicity: | Not classified |
| Specific target organ toxicity (single exposure): | Not classified |
| Specific target organ toxicity (repeated exposure): | Not classified |
| Aspiration hazard: | Not classified |

11-1-2 Information on the mixture

Not applicable.

11-1-3 Information on likely routes of exposure

The routes of likely exposures under normal use of the product are by inhalation, skin and ingestion contact.

11-1-4 Symptoms related to the physical, chemical and toxicological characteristics

See section 4-2.

11-1-5 Delayed, immediate and chronic effects of short or long term exposure

See section 4-2.

11-1-6 Interaction effects

No data available.

11-1-7 Absence of specific data

Not applicable.



12 - ECOLOGICAL INFORMATION

12-1 Toxicity

Ecology - general:

No environmental hazard.

Ecology - air:

No supplementary information available.

Ecology - water:

No bioaccumulation data available.

12-2 Persistence and degradability

ThoD:

2,9g O₂/g substance

12-3 Bioaccumulative potential

Log Pow:

> 5 (est.)

12-4 Mobility in soil

Surface tension:

ca. 0.03 N/m (20°C)

12-5 Persistence, bioaccumulation and toxicity for substance(s)

No additional information available.

12-6 Other adverse effects

No additional information available.

13 - DISPOSAL CONSIDERATIONS

13-1 Waste treatments methods

Disposal:

Prevent dispersion by covering with dry absorbent,
Scoop solid spill into closed containers,
Scoop absorbed substance into closed containers,
Clean contaminated surfaces with an excess of water and soap solution,
Wash clothing and equipment after handling.

Regional legislation (waste):

No supplementary information available.

Ecology - waste materials:

Do not discharge into drains or the environment. Remove to an authorized waste treatment plant.



European List of Waste (LoW) code:
 No supplementary information available

14 - TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / AND.

| | Land transport (ADR) | Sea transport (IMDG) | Air transport (IATA) | Inland waterway transport (ADN) | Rail transport (RID) |
|--|----------------------|----------------------|----------------------|---------------------------------|----------------------|
| 14-1 UN number | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14-2 UN proper shipping name | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| 14-3 Transport hazard class(es) | Not applicable | - | Not applicable | Not applicable | Not applicable |
| 14-4 Packing group | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

14-5 Environmental hazards

Dangerous for the environment:
 No.

14-6 Special precautions for user

Not applicable.

14-7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

15 - REGULATORY INFORMATION

15-1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15-1-1 EU-Regulations

No REACH Annex XVII restrictions.

VOCs content: < 0,1 % (2010/75/EU)

15-2 Chemical safety assessment

No chemical safety assessment has been carried out, an exposure scenario is not applicable (substance is not classified).

16 - OTHER INFORMATION

| Creation date | Version Date | Printing Date |
|---------------|--------------|---------------|
| 12/06/2019 | 12/06/2019 | 12/06/2019 |



16-1 Indication of changes

Not applicable (first edition of the MSDS).

16-2 Abbreviations and acronyms

ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways. ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail. CAS: Chemical Abstract Service Number. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods Code. DPD Dangerous Preparation Directive. UN number: United Nations number. No EC: European Commission Number. CLP: Classification, labeling and packaging. VOCs: Volatile Organic Compound. CVPvB: very persistent and very bioaccumulative substances.

16-3 Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Not applicable.

16-4 Relevant R-, H- and EUH-phrases (Number and full text)

Not applicable.

16-5 Additional information

Not available.

The information given in this Safety Data Sheet is based on our present knowledge and on european and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.

**** End of MSDS Document ****

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Fuel Improvers

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