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

1.1 Product identifier
- Trade name: Vetus Shipping Grease
- Article number: 07.10.06

1.2 Relevant identified uses of the substance or mixture and uses advised against
- No further relevant information available.

1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: Vetus B.V.
  Fokkerstraat 571
  3125 BD Schiedam-Holland
  Tel.: +31 (0)10 4377700

1.4 Emergency telephone number:
- Further information obtainable from: Product safety department - info@vetus.nl
- +31 (0)10 4377700 (9 AM to 4 PM, Monday to Friday)

2. Hazards identification

2.1 Classification of the substance or mixture
- 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.

2.2 Label elements
- 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.
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

3. Composition/information on ingredients

3.2 Mixtures

| CAS: 68425-15-0 | Polysulfides, di-tert-dodecyl R53 |
| EINECS: 270-335-7 | Aquatic Chronic 4, H413 |

| CAS: 68849-42-3 | Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts |
| EINECS: 272-028-3 | Xi R36; N R51/53 |

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

4. First-aid measures

4.1 Description of 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.
Trade name: Vetus Shipping Grease

5. Fire-fighting measures

- **5.1 Extinguishing media**
  - 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
  - 5.2 Special hazards arising from the substance or mixture: Formation of toxic gases is possible during heating or in case of fire.
  - 5.3 Advice for firefighters:
    - Protective equipment: Wear self-contained respiratory protective device.
    - Wear fully protective suit.

6. Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**: Wear protective clothing.
- **6.2 Environmental precautions**: Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up**: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  - Remove from the water surface (e.g. skim or suck off).
- **6.4 Reference to other sections**: 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

- **7.1 Precautions for safe handling**: No special measures required.
  - Information about fire - and explosion protection: Avoid the formation of oil haze.
- **7.2 Conditions for safe storage, including any incompatibilities**
  - 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.
      - No further relevant information available.

8. Exposure controls/personal protection

- **Additional information about design of technical facilities**: No further data; see item 7.
- **8.1 Control parameters**
  - 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.
  - The lists valid during the making were used as basis.
- **Additional information**
- **8.2 Exposure controls**
  - Personal protective equipment:
    - General protective and hygienic measures: Wash hands before breaks and at the end of work.
    - Respiratory protection: Not required.
### 9. Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

**General Information**

- **Appearance:**
  - *Form:* Pasty
  - *Colour:* Brown
  - *Odour:* Characteristic

- **Change in condition**
  - *Melting point/Melting range:* Undetermined.
  - *Boiling point/Boiling range:* Undetermined.

- **Flash point:** > 200 °C
- **Flammability (solid, gaseous):** Not applicable.
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
  - *Lower:* Not determined.
  - *Upper:* Not determined.

- **Density:** Not determined.

- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

- **Partition coefficient (n-octanol/water):** Not determined.

- **Solvent content:**
  - *Organic solvents:* 0.0 %

- **9.2 Other information**
  - No further relevant information available.

### 10. Stability and reactivity

#### 10.1 Reactivity

- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** To avoid thermal decomposition do not overheat.

- **10.3 Possibility of hazardous reactions**
- **10.4 Conditions to avoid**
  - Reacts with strong oxidizing agents.

- **10.5 Incompatible materials:**
  - No further relevant information available.

- **10.6 Hazardous decomposition products:**
  - No dangerous decomposition products known.
### 11. Toxicological information

- **11.1 Information on toxicological effects**
  - **Acute toxicity:**
    - **Primary irritant effect:** No irritant effect.
    - **on the skin:** No irritant effect.
    - **on the eye:** No irritating effect.
    - **Sensitization:** No sensitizing effects known.
  - **Additional toxicological information:**
    - 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

- **12.1 Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
  - **12.2 Persistence and degradability**
    - No further relevant information available.
  - **Other information:** The product is difficultly biodegradable.
  - **12.3 Bioaccumulative potential**
    - No further relevant information available.
  - **12.4 Mobility in soil**
    - No further relevant information available.
  - **Additional ecological information:**
    - **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.

- **12.6 Other adverse effects**
  - No further relevant information available.

### 13. Disposal considerations

- **13.1 Waste treatment methods**
  - **Recommendation:** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**
  - 12 01 12* spent waxes and fats

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

### 14. Transport information

- **14.1 UN-Number**
  - ADR, ADN, IMDG, IATA: Void

- **14.2 UN proper shipping name**
  - ADR, ADN, IMDG, IATA: Void

- **14.3 Transport hazard class(es)**
  - ADR, ADN, IMDG, IATA: Void

- **14.4 Packing group**
  - ADR, IMDG, IATA: Void

- **14.5 Environmental hazards:**
  - **Marine pollutant:** No

- **14.6 Special precautions for user**
  - Not applicable.
15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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 phrases
  - H319 Causes serious eye irritation.
  - H411 Toxic to aquatic life with long lasting effects.
  - H413 May cause long lasting harmful effects to aquatic life.
  - R36 Irritating to eyes.
  - R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
  - R53 May cause long-term adverse effects in the aquatic environment.

- Department issuing MSDS: Product safety department.
- Contact: Product safety department
- Sources
  - 67/548/EEC
  - 99/45/EEC
  - EC/453-2010