

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product Name INDUSTRIAL GEAR OIL 460

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance/mixture: Lubricant

1.3. Details of the supplier of the safety data sheet

Company Address Prime Lubricants Ltd
Oakney Wood
Avenue Selby
Business Park Selby
North Yorkshire
YO8 8FQ
Tel: 01757 706996
Email: sales@primelubricants.co.uk

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture CLP: Not Classified

2.2. Label Elements Not Classified

Hazardous Statements Not Classified

Precautionary Statements Not Classified, keep out of reach of children (P102)

Dispose of this material in compliance with all local and national regulations (P501)

2.3. Other Hazards- This product does not contain any PBT or vPvB substances.

SECTION 3: Composition/Information on ingredients

3.2.1 Refined mineral oil mix CAS Number: EC Number: Various see below Various see below REACH
Registra on Number: Various see below Index No.: Various see below Specific Concentra on Limits: Not
assigned. M factor, acute: Not applicable. M factor, chronic: Not applicable. Concentration: 80-<100% H
Statements: Not applicable. Categories: Not applicable Not classified Contains a mixture of petroleum
derived mineral oils that contain <3% DMSO according to IP346. Base oil may contain one or more of the
following: 101316-70-5, 309-875-6, 101316-71-6, 309-876-1 101316-72-7, 309-877-7 RRN 01-2119489969-
06/ 64741-76-0, 265-077-7, 649-453-00-1, RRN 01-2119486951-26/ 64741-88-4, 265-090-8, RRN 01-
2119488706-23, 649-454-00-7/, 64741-89-5, 265-091-3, RRN 01-2119487067-30/ 64741-95-3, 265-096-0,
RRN 012119487081-40/ 64741-96-4, 265-097-6, RRN 01-2119483621-38/ 64742-01-4, 265-101-6, RRN 01-
2119488707-21/ 6474253-6, 265-156-6, 649-466-00-2, RRN 01-2119480375-34/ 64742-45-6, 265-147-7/
64742-46-7, 265-148-2, RRN 012119489867-12, 649-221-00-X/ 64742-47-8, 265-149-8, RRN 01-
2119484819-18, 649-422-00-2/ 64742-52-5, 265-155-0, RRN 01-2119467170-45, 649-465-00-7/
64742-53-6, 265-156-6, RRN 01-2119480375-34, 649-466-00-2/ 64742-54-7, 265157-1, RRN 01-
2119484627-25, 649-461-00-8/ 64742-55-8, 265-158-7, 649-468-00-3, RRN 01-2119487077-29/ 64742-56-
9, 265-159-2, RRN 01-2119480132-48, 649-469-00-9/ 64742-57-0, 265-160-8, RRN 01-2119489287-22/,
64741-88-4, 265-0908, RRN 01-2119488706-23 / 64742-62-7, 265-166-0 RRN
01-2119480472-38/ 64742-65-0, 265-169-7, RRN 01-211947129927, 649-474-00-6/
64742-70-7, 265-174-4, RRN 01-2119487080-42 / 68037-01-4, 500-183-1,
RRN 01-2119486452-34 / , 111-66-0, 203-893-7, RRN 01-2119486877-14, 01-2119409094-47 /
70693-43-5, 813-310-3/ 72623-85-9, 276-736-3, RRN 012119555262-43/ 72623-86-0,
276-737-9, RRN 01-2119474878-16, 649-482-00-x/ 72623-87-1, 276-738-4,
RRN 012119474889-13, 649-483-00-5/ 74869-22-0 , 278-012-2, RRN 01-2119495601-36, 649-484-00-0/
8042-47-5, 232-455-8, RRN 01-2119487078-27.



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SECTION 4: First Aid Measures

4.1 Description of first aid measures
4.1.1 Inhalation If inhaled, remove from area to fresh air. Get medical attention on if respiratory irritation develops or if breathing becomes difficult.
4.1.2 Contact with eyes In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses (if easy to do so). Get medical attention.
4.1.3 Contact with skin Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.
4.1.4 Ingestion Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
4.2 Most important symptoms and effects, both acute and delayed
4.2.1 Ingestion May cause gastro-intestinal disturbances.
4.2.2 Contact with eyes May cause redness and irritation.
4.2.3 Contact with skin May cause redness and irritation.
4.2.4 Inhalation May cause irritation.
4.3 Indication of any immediate medical attention and special treatment needed- Treatment should be symptomatic and directed to relieving any effects.

SECTION 5: Firefighting Measures

5.1 Extinguishing media- Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog. Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.
5.2 Special hazards arising from the substance or mixture - If heated or in cases of fire, pressure in a vessel will increase and container may burst. - Combustion products may include: carbon oxides (CO, CO₂) (carbon monoxide, carbon dioxide), metal oxide/ oxides, phosphorous oxides and sulphur oxides (SO, SO₂, etc..) **5.3 Advice for firefighters-** Promptly isolate and secure the scene, remove all unnecessary and untrained persons from the vicinity if there is a fire. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European Standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental Release Measures

Spillages causes slippery surfaces

6.1. Personal precautions, protective equipment and emergency procedures

- Stop leak, if safe to do so. - Absorb with sand or other inert absorbant. Collect in containers and seal securely. - Adopt best manual handling considerations when handling, carrying and dispensing. - Appropriate protective equipment must be worn when handling a spill of this material. See SECTION 8, Exposure Controls/Personal Protection, for recommendations. If exposed to material during clean-up operations, see SECTION 4, First Aid Measures, for actions to follow.

6.2. Environmental precautions.

Do not allow product to enter drains. Prevent further spillage if safe. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up Stop leak, if safe to do so. - Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. - Dispose of in compliance with all local and national regulations.

6.4 Reference to other sections- See Section 1 for emergency contact information.

See Section 5 for firefighting measures. See Section 8 for information on appropriate personal protective equipment.

See Section 12 for environmental precautions. See Section 13 for additional waste treatment information.



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SECTION 7: Handling & Storage

7.1 Precautions for safe handling- Use appropriate personal protective equipment.

- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Sec on 8 for additional information on hygiene measures. **7.2 Conditions for safe storage, including any incompatibilities-** Store in accordance with local regulations. - Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Store in correctly labelled containers. **7.3 Specific end use(s)-** The identified uses for this product are detailed in Sec on 1.2.

SECTION 8: Exposure Controls / Personal Protection

8.1 Control parameters: If this product contains ingredients with exposure limits, personal and/or workplace atmosphere monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

Substances

Chemical Name

Highly Refined Mineral Oil Mix

WEL (Short term)

WEL (long term)

5 mg/m³ (UK)

5 mg/m³ (IE)

8.2. Exposure controls: A full risk assessment should be undertaken before handling this material.



- **Engineering Controls:** - All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. - **Eye Protection:** If contact is likely, safety glasses are recommended.

- **Hand protection:** Because specific work environments and material handling practices vary, safety procedures should be developed for each application. The right choice of protective gloves depends on the chemicals used and the working conditions and use. Recommended: Nitrile or alternative suitable gloves. "Breakthrough me" shows how long the gloves can have effective resistance. Always consult with your glove supplier for the latest breakthrough technical information. - **Skin and Body Protection:** Wear appropriate clothing as protection against splashing. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

- **Hygiene Measures:** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. - **Respiratory Protection:** No Special requirements under ordinary conditions of use and with adequate ventilation.



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SECTION 9: Physical & Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance:	Brown
Odour:	Characteristic odour
Freezing point/Range:	N/A
Boiling Point/Range:	>280°C
Flashpoint:	>200°C
Physical State:	Liquid
Auto-ignition Temperature:	>320°C
Viscosity:	460 cst @ 40°C
Density:	0.9 g/cm ³ at 15°C

9.2. Other information No Information available

SECTION 10: Stability & Reactivity

10.1. Reactivity

No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.

10.2. Chemical stability Stable under normal conditions

10.3. Possibility of hazardous reactions- None under normal processing. - Hazardous polymerisation does not occur.

10.4. Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials Reactive or Incompatible with oxidising substances.

10.6. Hazardous decomposition products Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects- No experimental data available.

11.1.1 Contact with eyes May cause redness and irritation.

11.1.2 Contact with skin May cause redness and irritation.

11.1.3 Ingestion May cause gastro-intestinal disturbances.

11.1.4 Inhalation May cause irritation.

11.2 Information on other hazards- No information available.



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SECTION 12:

- 12.1. Toxicity -No data available
- 12.2. Persistence and degradability -This substance is not readily biodegradable
- 12.2.1 Information on other hazards - No Information available
- 12.3. Bioaccumulation potential available. -No experimental data available.
- 12.4. Mobility in soil -Immiscible with water
- 12.5. Results of PBT and vPvB assessment
-This product does not contain a PBT or vPvB substances.
- 12.5.1 Refined mineral oil mix - Not classified as PBT/vPvB by current EU criteria.
- 12.6 Endocrine disrupting properties - Not applicable
- 12.7 Other adverse effects - Spillages may form an oil layer on water surfaces causing physical damage to organisms. Oxygen transfer may also be impaired.

SECTION 13: Disposal Considerations

- 13.1. Waste treatment method - Dispose of this material in compliance with all local and national regulations
- 13.2 Classification- For classification and assessment of waste, refer to technical guidance WM3 (Appendix A) or EWC (European Waste Catalogue) codes for hazardous and non-hazardous waste, where appropriate.

SECTION 14: Transport Information

- 14.1. UN Number or ID No: Not applicable
- 14.2. UN Proper shipping name Not applicable
- 14.3. Transport hazard class (es) Not applicable
- 14.4. Packing group Not applicable
- 14.5 Environmental hazards Not classified
- 14.6. Special precautions for user Not applicable
- 14.7 Maritime transport in bulk according to IMO instruments Not applicable



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SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture- This SDS has been compiled according to UK SI 2019/758 and EC 1272/2008 as amended in the UK.

- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008, 2015/830 and 2020/878

15.2 Chemical safety assessment- A chemical safety assessment (CSA) for this product has not yet been completed

SECTION 16: Other Information

Disclaimer

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publica on however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process



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