

SAFETY DATA SHEET

SILVERHOOK
ISO 32 HYDRAULIC OIL

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Product Name: ISO 32 Hydraulic Oil

ref: SHRH8

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

Identified use(s): Hydraulic Oil

1.3. Details of the supplier of the Safety Data Sheet

Silverhook Ltd
Unit 14 Bates Road
Harold Wood, London, England
RM3 0JH
Telephone: +44 (0) 1708 330500
Fax: +44 (0) 1708 330504
Email: 522@silverhook.co.uk
Responsible person email: 522@silverhook.co.uk

1.4. Emergency telephone number

+44 (0) 1708330500 (during office hours)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Not classified as hazardous in accordance with CLP (EC 1272/2008) and DPD (1999/45/EC)

2.2. Label elements

No labelling required

2.3. Other hazards

None to mention

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Lubricating Oils	95-100%
CAS-No:64742-01-4	EC No.: 278-012-2
Classification (EC 1272/2008)	Classification (67/548/EEC)

SAFETY DATA SHEET

SILVERHOOK
ISO 32 HYDRAULIC OIL

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist, obtain medical advice.

Eyes

Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.

Skin

Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.

Ingestion

If contamination of the mouth occurs, wash out thoroughly with water. Except as a deliberate act, the ingestion of large amounts of product is unlikely. If it should occur, do not induce vomiting; obtain medical advice

4.2. Most important symptoms and effects, both acute and delayed

No ill effects known.

4.3. Indication of any immediate medical attention and special treatment needed

Eye contact: immediately wash out with plenty of water.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Use foam, dry power or water fog. DO NOT USE water jets. Water may be used to cool nearby heat exposed areas/objects/packages.

5.2. Specific hazards arising from the substance or mixture

Avoid spraying directly into storage containers because of the danger of boil-over. Toxic fumes may be evolved on burning or exposure to heat. See stability and Reactivity, Section 10 of this data sheet.

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment. Spilled material may make surfaces slippery. Contain and recover spilled material using sand or other suitable inert absorbent material. It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage which may be reasonably anticipated.

6.2. Environmental precautions

Protect drains from potential spills to minimise contamination. Do not wash product into drainage system. In the case of large spills contact the appropriate authorities. In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies.

6.3. Methods and material for containment and cleaning up

Absorb into dry earth or sand, transfer into suitable containers for disposal.

6.4. Reference to other sections

Personal protective equipment. See Section 8.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate. Avoid frequent or prolonged skin contact with fresh or used product. Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times. Wash hands thoroughly after contact. Use disposable cloths and discard when soiled. Do not put soiled cloths into pockets.

7.2. Conditions for safe storage, including any incompatibilities

Store under cover away from heat and sources of ignition.

Product contaminated rags, paper or material used to absorb spillages, represent a fire hazard, and should not be allowed to accumulate. Dispose of safely immediately after use.

7.3. Specific end use(s)

Intended for use as a process oil.

SAFETY DATA SHEET

SILVERHOOK

ISO 32 HYDRAULIC OIL

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

None known.

8.2. Exposure controls

Use local exhaust ventilation to control mists or vapours.

Hand Protection

PVC gloves

Eye Protection

Safety glasses

Skin Protection

Normal work wear

Respiratory Protection

Not normally required

SAFETY DATA SHEET

SILVERHOOK

ISO 32 HYDRAULIC OIL

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Typical Values Grades:	Units	Properties
Appearance		Light Amber Liquid
Odour		Mild
Odour Threshold		No data available
pH		Not applicable
Pour point/range	°C	No data available
Initial boiling point and range	°C	No data available
Flash point (COC)	°C	>195
Auto Flammability	°C	No data available
Upper/lower flammability or explosive limits		Not applicable
Vapour pressure	kPa (0.1 mm Hg)	No data available
Relative density	kg/m ³	0.863 @ 20°C
Solubility - water - Fat/solvent	kg/m ³	Insoluble Soluble
Partition coefficient n-octanol/water		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Viscosity	mm ² /s	5.1 @ 100°C
Evaporation rate		Not applicable
Vapour density		Not applicable
Explosive properties		Not applicable
Oxidising properties		None

9.2. Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid overheating.

10.5. Incompatible materials

Avoid contact with strong oxidising agents.

10.6. Hazardous decomposition products

Thermal decomposition products will vary with conditions. Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, including carbon monoxide and hydrogen sulphide and oxides of sulphur and phosphorus.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity:

- Oral Low order of acute toxicity
- Inhalation Low order of acute toxicity.
- Dermal Low order of acute toxicity.

Corrosivity/Irritation:

- Eye No components present that are classified as eye irritants.
- Skin No components present that are classified as skin irritants but may cause skin irritation due to de-fatting effect on skin.
- Respiratory Tract No components present that are classified as respiratory irritants.

Sensitisation:

- Skin No evidence of sensitisation effects.
- Respiratory No evidence of sensitisation effects.

SAFETY DATA SHEET

SILVERHOOK ISO 32 HYDRAULIC OIL

Repeated-dose Toxicity	No data available.
Mutagenicity	No evidence of mutagenicity.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive Toxicity	No evidence of reproductive toxicity.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Not classified as dangerous for the environment. No ecotoxic chemicals present. However, spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

12.2. Persistence and degradability

The product is inherently biodegradable.

12.3. Bioaccumulative potential

There is no evidence to suggest bioaccumulation will occur.

12.4. Mobility in soil

Nonvolatile. Spillages may penetrate the soil causing ground water contamination.

12.5. Results of PBT and vPvB assessment

No PBT or vPvB chemicals present.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose in a regulated landfill site or other method for hazardous or toxic waste. Dispose of in accordance with local and national regulations.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport (ADR, RID, UN, IMDG, IMO, IATA/ICAO).

SECTION 15: REGULATORY INFORMATION

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

Supply regulations: DPD: Dangerous Preparations Directive; GHS: Globally Harmonised System of classification and labelling of chemicals; CLP: Classification, Labelling and Packaging regulations. Transport regulations: CDG: Carriage of Dangerous Goods regulations; ADR/RID/IMDG/ICAO/IATA regulations.

15.2. Chemical safety assessment

No formal chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Disclaimer:

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. Silverhook makes no representation as to completeness or accuracy. In no event will Silverhook be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.