

SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

PRODUCT NAME: Synthetic Compressor Oil – ISO 46
PART NO: 3050795
COMPANY IDENTIFICATION: CLARKE INTERNATIONAL,
 HEMNALL STREET, EPPING, ESSEX. CM16 4LG
BUSINESS TELEPHONE: 01992 565300
BUSINESS FAX: 01992 561562
EMERGENCY TELEPHONE: 01325 462228

2. HAZARDS IDENTIFICATION

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No. 1272/2008**
The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
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.
- **Label elements**
- **Labelling according to Regulation (EC) No. 1272/2008**
Void
- **Hazard pictograms**
Void
- **Signal word**
Void
- **Hazard statements**
Void
- **Additional information**
Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT**
Not applicable
- **vPvB**
Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

- **Chemical characterisation:** Substances
- **CAS No. Description**
Highly refined mineral oil
- **Identification number(s)**
- **Chemical Characterisation: Mixtures**
Mixture of highly refined mineral oils with multi-functional additives
- **Description:** Mixture of substances listed below with non-hazardous additions.
- **Dangerous components:** Void
- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4. FIRST AID MEASURES:

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.

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- After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- After eye contact:

Check for and remove any contact lenses.

Rinse opened eye for several minutes under running water. Then consult a doctor.

- After swallowing:

Wash mouth out with water

Do not induce vomiting; call for medical help immediately.

- Information for doctor:

High pressure injection injuries through the skin require prompt surgical intervention and possibly steroid therapy, to minimise tissue damage and loss of function. As entry wounds are small and do not reflect the seriousness of the underlying damage, surgical exploration to determine the extent of involvement may be necessary. Local anaesthetics or hot soaks should be avoided because they can contribute to swelling, vasospasm and ischaemia. Prompt surgical decompression, debridement and evacuation of foreign material should be performed under general anaesthetics and wide exploration is essential.

- Most important symptoms and effects, both acute and delayed

No further relevant information available.

- Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. FIRE FIGHTING MEASURES:**- Extinguishing media****Suitable extinguishing agents:**

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents:

Water with full jet.

- Special hazards arising from the substance or mixture:

No further relevant information available.

- Advice for firefighters**- Protective equipment:**

Wear self-contained respiratory protective device

Wear fully protective suit

6. ACCIDENTAL RELEASE MEASURES:**- Personal precautions, protective equipment and emergency procedures:**

Particular danger of slipping on leaked / spilled product.

Ensure adequate ventilation

- Environmental precautions:

Do not allow to penetrate the ground / soil.

- Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust)

Send for recovery or disposal in suitable receptacles.

- Reference to other section:

No dangerous substances are released.

7. HANDLING & STORAGE:**- Handling:****- Precautions for safe handling**

Prevent formation of aerosols

Ensure good ventilation/exhaustion at the work place

Information about fire and explosion protection: No special measures required.

- Conditions for safe storage, including any incompatibilities**- Storage:**

- Requirements to be met by storerooms and receptacles: Prevent any seepage into the ground

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

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Store in a banded area.

- **Specific end use(s):** No further relevant information available.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

Additional information about design of technical facilities: No further data; see item 7.

- **Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **Additional information:** The lists valid during the making were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

Select PPE appropriate for the operations taking place taking into account the product properties.

- **General protective and hygienic measures:**

Wash hands before breaks and at the end of work

Do not carry product impregnated cleaning cloths in trouser pockets.

Avoid close or long term contact with the skin

Do not eat, drink, smoke or sniff while working.

Avoid contact with the eyes.

Do not inhale gases / fumes / aerosols

- **Respiratory protection:** Not required

- **Protection of hands:**

The glove material has to be impermeable and resistant to the product / the substance / the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

- **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.

- **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**

Safety glasses

Goggles recommended during refilling

- **Body protection:** Oil resistant protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES:

- **Information on basic physical and chemical properties**

- **General information**

- **Appearance:**

Form: Fluid

Colour: Blue

- **Odour:** Mineral-oil-like

- **Odour threshold:** Not determined

- **pH-value:** Not determined

- **Change in condition**

Melting point / Melting range: Undetermined

Boiling point / Boiling range: Undetermined

- **Flash Point:** >100°C

- **Flammability (solid, gaseous):** Not applicable

- **Ignition temperature:** >250°C

- **Decomposition temperature:** Not determined

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- Self-igniting:	Product is not self-igniting
- Danger of explosion:	Product does not present an explosion hazard
- Explosion limits:	
Lower:	Not determined
Upper:	Not determined
- Vapour pressure:	Not determined
Density at 20°C:	0.86 g/cm ³
- Relative density	Not determined
- Vapour density	Not determined
- Evaporation rate	Not determined
- Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol / Water):	Not determined
- Viscosity:	
Dynamic:	Not determined
Kinematic at 40°C:	47.2 cSt
- Other information	No further relevant information available

10. STABILITY AND REACTIVITY:

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions:**
No dangerous reactions known.
- **Conditions to avoid:**
No further relevant information available.
- **Incompatible materials:**
Strong oxidising agents
- **Hazardous decomposition products:** Carbon monoxide and carbon dioxide

11. TOXICOLOGICAL INFORMATION:

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect
- **on the eye:** No irritating effect
- **sensitisation:** No sensitising 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.

12. ECOLOGICAL INFORMATION:

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** Inherently biodegradable
- **Behaviour in environmental systems:**
- **Bioaccumulative potential:** Product is not expected to bioaccumulate.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water
- **Results of PBT and vPvB assessment**

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15. REGULATORY INFORMATION:

- **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**

- The risk phrases shown below are for those component substances which are listed in section 3 and not for the actual finished formulation.

- Hazards are concentration dependent. Therefore for the actual hazard classification and risk/safety phrases appropriate for the actual finished formulated product refer to section 2.

- **Department issuing MSDS:** Product safety department.

- **Contact:**

Last reviewed: 08/01/15