



SAFETY DATA SHEET

ZEROL® ESTER 100

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Compilation date: 24/08/2012

Revision date: 25/02/2026

Revision No: 3.3

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

1.1. Product identifier

Product name: ZEROL® ESTER 100

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

Use of substance / mixture: Compressor lubricant.

1.3. Details of the supplier of the safety data sheet

Company name: Shrieve Products International
Suite 4, 30 Churchill Square,
Kings Hill, West Malling, Kent,
ME19 4YU, United Kingdom

Tel: +44 (0)1732 520600

Email: sds@shrieve.co.uk

1.4. Emergency telephone number

Emergency tel: 24 Hour CHEMTREC: +1 703-741-5970.

Section 2: Hazards identification

2.1 Classification of the substance or mixture according to CLP No 1272 / 2008/GB CLP

Classification under CLP: This product has no classification under CLP.

2.2 Label elements CLP No 1272/2008/GB CLP

Label elements: This product has no label elements.

2.3. Other hazards: * The product is not considered as endocrine disruptor.

Other hazards:* This mixture does not contain substances with endocrine disrupting properties in accordance with the criteria laid down in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Not classified as CMR / PMT or PBT under current legislation.

PBT: This product is not identified as a PBT/vPvB substance according to REACH No 1907/2006.

Section 3: Composition/information on ingredients

3.2. Mixtures

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Flush the eye immediately with water. If discomfort persists, obtain medical attention.

Ingestion: If swallowed, do not induce vomiting. Never administer anything by mouth if a casualty is losing consciousness, is unconscious or is convulsing. Wash out mouth with water. If rapid recovery does not occur, obtain medical attention.

[cont...]

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Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

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

Skin contact: None known.

Eye contact: There may be irritation and redness.

Ingestion: None known.

Inhalation: None known.

Delayed / immediate effects: None known.

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

Immediate / special treatment: None known.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Water spray. Carbon dioxide. Alcohol resistant foam. Dry chemical powder. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: See section 8 for information on personal protection equipment. See section 13 for disposal information.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: We recommend storing in original packaging.

7.3. Specific end use(s)

Specific end use(s): No special requirement.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Impermeable gloves.

Eye protection: Safety glasses with side-shields. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

Environmental: No special requirement.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Pale yellow

Odour: Pleasant

Evaporation rate: No data available.

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Kinematic viscosity: 100 mm²/s

Boiling point/range°C: >250

Melting point/range°C: No data available.

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: >250

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: No data available.

Vapour pressure: No data available.

Relative density: 0.958 @ 20°C

pH: No data available.

VOC g/l: No data available.

9.2. Other information

Other information: Pour point °C: -33 (typical).

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Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Sources of ignition. Flames. Heat.

10.5. Incompatible materials

Materials to avoid: Strong acids. Strong bases. Oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated
Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Skin corrosion/irritation	-	No hazard: calculated
Serious eye damage/irritation	-	No hazard: calculated
Respiratory/skin sensitisation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

Symptoms / routes of exposure

Skin contact: None known.

Eye contact: There may be irritation and redness.

[cont...]

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Ingestion: None known.

Inhalation: None known.

11.2 *Information on other hazards

Endocrine disrupting properties: * The product is not considered as endocrine disruptor.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: Insoluble in water.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Endocrine disrupting properties:

Adverse effects: None Known

12.7. Other adverse effects

Other adverse effects: Not classified as PMT or vPvM

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of as normal industrial waste.

Recovery operations: Storage of waste pending any of the other recovery operations (excluding temporary storage, pending collection, on the site where the waste is produced).

Waste code number: 13 02 06

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

14.1 UN Number or ID Number ADD/RID : Not relevant;IMDG/IMO :Not Relevant

14.2 UN Proper Shipping Name ADD/RID : Not relevant;IMDG/IMO : Not Relevant

14.3 Transport Hazard Class(es) ADD/RID : Not relevant;IMDG/IMO : Not Relevant

14.4 Packing group ADD/RID : Not relevant;IMDG/IMO : Not Relevant

14.5 Environmental Hazard ADD/RID : Not relevant;IMDG/IMO : Not Relevant

14.6 Special Precautions ADD/RID : Not relevant;IMDG/IMO : Not Relevant

14.7 Maritime Transport in bulk according to IMO instruments ADD/RID : Not relevant;IMDG/IMO : Not Relevant

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Section 15: Regulatory information

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

Specific regulations: Global Chemical Inventories: EC (EINECS) - All listed or exempted components. China (IECSC) - All components listed or exempt. Philippines (PICCS) - All components listed or exempt. Japan (ENCS) - All components listed or exempt.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: * This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2020/878.

* indicates text in the SDS which has changed since the last revision.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.