

# ENVIROSOL CO250

## 1. Identification Of The Substance / Preparation And The Company / Undertaking

### 1.1 Product Identifier

ENVIROSOL CO250

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

Use as a hydraulic fluid, storage fluid, flushing fluid, laboratory use. For use in offshore or onshore oil and gas industry and industrial use.

### 1.3 Details of the supplier of the safety data sheet

Offshore Environmental Oils Ltd

Aspul Court

Moss Industrial Estate

Leigh, Lancashire

WN7 3PT, UK

Email info@offshore-oils.com

Telephone +44 8452 967751

### 1.4 Emergency telephone number

Telephone +44 8452 967751 (office hours)

Public Health England +44 344 8920555 (24 hours)

## 2. Hazards Identification

### 2.1 Classification of substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP].**

Asp. Tox. 1, H304

See Section 16 for the full text of the H statements declared above.

### 2.2 Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP].**

Hazard Pictograms



Signal word

Danger

Caution

Hazard Statements

H304 – May be fatal if swallowed and enters airways.

Precautionary Statements

Prevention

None.

Response

P301 & 310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor/ physician.

P331 Do NOT induce vomiting.

Storage

P405 Store Locked up.

Disposal

P501 – Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazardous Ingredients

Base oil

Supplemental Label Elements

None.

Supplemental Packaging Requirements.

Containers to be fitted with

Not Applicable

Child resistant fastening.

Tactile warning of danger

Not Applicable

Supplemental hazard information

None

# ENVIROSOL CO250

## 2.3 Other Hazards

### Other hazards which do not result in classification

#### Physical-Chemical Properties

Contaminated surfaces may be extremely slippery.

#### High Pressure Applications

Injections through the skin as a result of contact with the product at high pressures constitute a major medical emergency. See notes to physician in section 4.3 of this safety data sheet.

## 3. Composition / Information On Ingredients

### 3.2 Mixture

| Ingredient Name | Identifiers  | Conc. (%) | Regulation (EC) No 1272/2008 (CLP) Classification | Type    |
|-----------------|--------------|-----------|---|---------|
| Base Oil        | Confidential | >90 %     | Asp Tox. 1, H304.                                 | (1) (2) |

#### Type

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] Substance meets the criteria for PBT according to Regulation (EC) No 1907/2006, Annex XIII.

[4] Substance meets the criteria for vPvB according to Regulation (EC) No 1907/2006, Annex XIII. If REACH registration numbers do not appear the substance is either exempt from registration, does not meet the minimum volume threshold for registration, the registration date has not yet come due or this information is proprietary.

See section 8 for Occupational Exposure Limits, if available.

See sections 11 and 12 for detailed information on health effects, symptoms and environmental hazards.

For the full text of the EU H-Statements in this section, see section 16.

## 4. First Aid Measures

### 4.1 Description of first aid measures

#### General Advice

Seek medical advice if irritation or symptoms persist and show this safety data sheet.

#### Skin contact

Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.

#### Eye contact

Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.

#### Inhalation

If inhalation of fumes, mists or vapours causes irritation to the throat, nose or coughing, remove person to fresh air. Obtain medical advice if symptoms persist.

#### Protection of First Aiders

No action should be taken without suitable training, or which involves any personal risk. Most important symptoms and effects, both acute and delayed.

#### Ingestion

If contamination of the mouth occurs, wash it out thoroughly with water. DO NOT INDUCE VOMITING. Never give anything to an unconscious person. If swallowed, seek medical advice immediately and show this container or label.

# ENVIROSOL CO250

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

See Section 11 for more detailed information on health effects and symptoms.

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

If swallowed, seek medical advice immediately and show this container or label.

### High Pressure Applications

Injections through the skin due to contact with the product at high pressure constitute a major medical emergency. Injuries may not appear serious immediately, but within a few hours tissue can become discoloured, swollen, and painful with extensive subcutaneous necrosis. Surgical exploration should be undertaken without delay. Extensive and thorough debridement of the wound and underlying tissue is necessary to minimise tissue loss and to limit or prevent permanent damage. It should be noted that high pressure may force the product a considerable distance along tissue planes.

## 5. Fire Fighting Measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Use extinguishing media appropriate to the surrounding fire conditions: Carbon Dioxide (CO<sub>2</sub>), dry chemical, foam, water fog.

#### Unsuitable extinguishing media

Do not use solid water stream as it may scatter and spread fire.

### 5.2 Special Hazards arising from the substance or mixture

#### Hazardous Combustion Products

Burning produces irritating, toxic and obnoxious fumes including carbon and nitrogen oxides

### 5.3 Advice for Fire-fighters

Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operating in positive pressure mode. Clothing conforming to European Standard EN469 will give a basic level of protection for chemical incidents. Use water spray to cool unopened containers.

## 6. Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### For Non-Emergency Personnel

Contact emergency personnel. No action should be taken without suitable training or involving personal risk. Evacuate surrounding areas and keep unnecessary and unprotected personnel from entering. Ensure adequate ventilation of the working area. Wear suitable protective equipment. Contaminated surfaces will be extremely slippery. Remove all sources of ignition. Do not breathe vapour or mist. Do not touch or walk-through spilt material.

#### For Emergency Responders

Wear a suitable chemical protective suit, gloves and chemical boots. See also information in "For non-emergency personnel".

### 6.2 Environmental precautions

Avoid dispersal of spilt and runoff and contact with soil, drains, sewers or waterways. Prevent further spillage if safe. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil).

### 6.3 Methods and material for containment and cleaning up

#### Small Spill

Stop leak, if possible, without risk. Move containers from the spill area. Absorb with inert, absorbent material, transfer to suitable, labelled containers for disposal. Dispose of via a licensed water disposal contractor.

# ENVIROSOL CO250

## Large Spill

Contact emergency personnel immediately. Stop leak, if possible, without risk. Move containers from the spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements and confined areas. Collect and contain spillage with non-combustible, absorbent material e.g., sand, earth, vermiculite or diatomaceous earth and transfer to suitable, labelled containers for disposal. Dispose of via a licensed water disposal contractor.

## 6.4 Reference to other sections

For personal protective equipment refer to Section 8.

For disposal refer to Section 13.

## 7. Handling And Storage

### 7.1 Precautions for safe handling

#### Advice for safe handling

Wear suitable personal protective equipment. Avoid contact with eyes and skin and clothing. Avoid breathing vapours or spray mist. Keep in the original container or an approved alternative made from a compatible material and keep tightly closed when not in use. Do not reuse containers.

#### Advice on General Occupational Hygiene

Smoking, eating and drinking should be prohibited in areas where this material is handled, stored or processed. Wash thoroughly after use. Contaminated clothing and personal protective equipment should be removed before entering eating areas. Ensure that eyewash stations and chemical safety showers are close to the working location.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in correctly labelled containers. Store in a cool, dry, well-ventilated area away from heat and direct sunlight. Keep containers tightly closed until ready for use. Where possible, design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from moisture and frost. Store in accordance with local regulations, away from incompatible materials, and store locked up (see section 10).

### 7.3 Specific end uses

Refer to section 1.2 and exposure scenarios in annex if applicable.

## 8. Exposure Controls / Personal Protection

### 8.1 Control Parameters

#### Exposure Limits

Oils mists must be kept below 5 mg/m<sup>3</sup>.

#### Derived No effect Level

No DELs available.

#### Predicated No effect Concentration

No PNECs available.

### 8.2 Exposure Controls

#### Individual Protection Measures

##### Eye / Face Protection

Safety glasses with side shields are considered minimum protection.

##### Respiratory protection

Avoid inhalation of mist, fumes or vapour generated in use. In case of insufficient ventilation, use suitable respiratory equipment.

## SAFETY DATA SHEET

# ENVIROSOL CO250

### Skin Protection

#### Hand protection

ear chemical resistant gloves. Nitrile gloves with a minimum thickness of 0.4mm are recommended. Most gloves provide only a short time of protection before they should be discarded and replaced. Gloves should be chosen in consultation with the supplier / manufacturer and with a full assessment of the working conditions. This information does not replace suitability tests since glove protection varies depending on the conditions under which the product is used.

#### Body Protection

Use of protective clothing is good industrial practice. Personal protective equipment for the body should be selected based on the task being performed. Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that does not soak through to the skin. Overalls should be washed regularly. When the risk of exposure is high (e.g., if cleaning spillages or when at risk of splashing), chemical resistant aprons and or imperious chemical suits and boots will be required.

#### Environmental Exposure Controls

Emission from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers' filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels below their respective threshold limit value.

## 9. Physical And Chemical Properties

### 9.1 Information on basic physical and chemical properties

|  |                                       |
|--|---------------------------------------|
| (a) Appearance                                 | Liquid                                |
| (b) Odour                                      | Bland                                 |
| (c) Odour Threshold                            | Not suitable for measurement          |
| (d) pH   | Not applicable                        |
| (e) Melting / freezing point                   | < -40°C                               |
| (f) Initial boiling point and boiling range    | >220 °C                               |
| (g) Flash Point                                | No data available                     |
| (h) Evaporation rate                           | No data available                     |
| (i) Flammability (solid, gas)                  | No data available                     |
| (j) Upper / Lower Explosion Limit              | No data available                     |
| (k) Vapour Pressure                            | <1 mmHg at 20 °C                      |
| (l) Vapour density                             | No data available                     |
| (m) Relative density                           | 0.80 – 0.84 gcm <sup>-3</sup> @ 20 °C |
| (n) Water solubility                           | Insoluble                             |
| (o) Partition coefficient<br>n-octanol / water | Not suitable for measurement          |
| (p) Auto ignition temperature                  | No data available                     |
| (q) Decomposition temperature                  | No data available                     |
| (r) Viscosity                                  | Typically 6.5 cSt @20 °C              |
| (s) Explosive properties                       | No data available                     |
| (t) Oxidising properties                       | No data available                     |

### 9.2 Other information

No additional information.

# ENVIROSOL CO250

## 10. Stability And Reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical Stability

Stable under normal operating conditions.

### 10.3 Possibility of hazardous reactions

None expected under normal operating conditions.

### 10.4 Conditions to avoid

No specific data.

### 10.5 Incompatible materials

No data available.

### 10.6 Hazardous decomposition products

Stable under normal conditions. Decomposition products may include carbon and nitrogen oxides.

## 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Information on likely routes of exposure

Routes of anticipated entry: Inhalation, Dermal.

#### Product Information

#### Potential Acute Health Effects

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | The product has a low vapour pressure and does not cause an inhalation exposure issue at ambient conditions. Contact with vapours, mists or sprays may cause irritation of the breathing passages. Aspiration of spray, mist or vapour may cause chemical pneumonitis. |
| <b>Ingestion</b>    | Aspiration hazard if swallowed – Aspiration of spray, mist or vapour may cause chemical pneumonitis.   |
| <b>Skin Contact</b> | No known significant effects or critical hazards.  |
| <b>Eye Contact</b>  | No known significant effects or critical hazards.  |

#### Symptoms related to the physical, chemical and toxicological characteristics

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Symptoms may include – nausea, vomiting, headache, fatigue, dizziness. |
| <b>Ingestion</b>    | Symptoms may include – nausea, vomiting.                               |
| <b>Skin Contact</b> | No known significant effects or critical hazards.                      |
| <b>Eye Contact</b>  | No known significant effects or critical hazards.                      |

#### Delayed and immediate effects and also chronic effects from short- and long-term exposure

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Overexposure to inhalation of airborne droplets may cause irritation of the respiratory tract. |
| <b>Ingestion</b>    | Ingestion of large quantities may cause nausea and diarrhoea.                                  |
| <b>Skin Contact</b> | No known significant effects or critical hazards.  |
| <b>Eye Contact</b>  | May cause transient stinging or redness.   |

# ENVIROSOL CO250

## Potential Chronic Health Effects

|  |  |
|--|--|
| <b>General</b>   | No known significant effects or critical hazards.  |
| <b>Carcinogenicity</b>                                     | No known significant effects or critical hazards.  |
| <b>Mutagenicity</b>  | No known significant effects or critical hazards.  |
| <b>Developmental effects</b>                               | No known significant effects or critical hazards.  |
| <b>Fertility effects</b>                                   | No known significant effects or critical hazards.  |
| <br>   |  |
| <b>Acute Toxicity</b>                                      | No known significant effects or critical hazards.  |
| <b>Skin Corrosion / Irritation</b>                         | No known significant effects or critical hazards.  |
| <b>Serious Eye-Damage / Irritation</b>                     | No known significant effects or critical hazards.  |
| <b>Respiratory or skin sensitisation</b>                   | No known significant effects or critical hazards.  |
| <b>Germ Cell Mutagenicity</b>                              | No known significant effects or critical hazards.  |
| <b>Carcinogenicity</b>                                     | No known significant effects or critical hazards.  |
| <b>Reproductive Toxicity</b>                               | No known significant effects or critical hazards.  |
| <b>Target Organ effects (STOT) –<br/>Single Exposure</b>   | No known significant effects or critical hazards.  |
| <b>Target Organ effects (STOT) –<br/>Repeated Exposure</b> | No known significant effects or critical hazards.  |
| <b>Aspiration Hazard</b>                                   | Aspiration hazard if swallowed – Aspiration of spray, mist or vapour may cause chemical pneumonitis. |

## 12. Ecological Information

### 12.1 Toxicity

All components are classified as non-hazardous for the environment.

### 12.2 Persistence and degradability

All components are readily biodegradable.

### 12.3 Bioaccumulative potential

All components are not considered bioaccumulative.

### 12.4 Mobility in soil

Soil / Water partition coefficient ( $K_{oc}$ ) Not Available.

**Mobility** Not Available.

### 12.5 Results of PBT and vPvB assessment

All components are not considered to be PBT or vPvB.

### 12.6 Other adverse effects

No known significant effects or critical hazards.

## 13. Disposal Considerations

### 13.1 Waste Treatment methods

**Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.**

#### **Waste from Residues / Unused Product**

Dispose of through a licensed disposal company in accordance with the European Directives on waste and hazardous waste. Where possible recycling is preferred to disposal or incineration. using a licensed disposal company.

#### **Soiled packaging:**

Empty containers completely. Retain label(s) on container. Dispose of through a licensed disposal company in accordance with the European Directives on waste and hazardous waste. Where possible recycling is preferred to disposal or incineration.



SAFETY DATA SHEET

# ENVIROSOL CO250

## EWC Waste Disposal No:

The following waste codes are only suggestions: - 13 01 12 – Readily Biodegradable Hydraulic Oils.  
According to the European Waste Catalogue, Waste Codes are not product specific. Waste codes should be assigned by the user based on the application for which the product was used.

## Waste Treatment – relevant information.

Product floats on the surface of the water.

## Sewage Treatment – relevant information.

Waste should not be disposed of by release to sewers. Product floats on the surface of the water.

## Other waste Disposal recommendations.

None.

## 14. Transport Information

|   |   |
|---|---|
| 14.1 UN Number  | Not regulated under ADR/RID, ADN, IMDG or IATA. |
| 14.2 UN Proper Shipping Name  | Not regulated under ADR/RID, ADN, IMDG or IATA. |
| 14.3 Transport hazard class(es)   | Not regulated under ADR/RID, ADN, IMDG or IATA. |
| 14.4 Packing group  | Not regulated under ADR/RID, ADN, IMDG or IATA. |
| 14.5 Environmental hazards  | Not hazardous.                                  |
| 14.6 Special Precautions for user   | None.   |
| 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code. | Not regulated                                   |

## 15. Regulatory Information

### 15.1 Safety Health and environmental regulations / legislation specific for the substance / mixture EU regulation (EC) No. 1907/2006 (REACH).

#### Annex XIV – List of Substances subject to Authorisation

##### Substances of very high concern

None of the components are listed.

#### Annex XVII – Restrictions on the manufacture, placing of the market and use of certain dangerous substances, mixtures and articles

Not applicable.

### 15.2 Chemical Safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier as this product contains substances for which Chemical Safety Assessments are still required.

## 16. Other Information

### Full Text of Classifications [CLP/GHS]

Acute Tox.1, H304 ASPIRATION TOXICITY: – Category 1

### Full Text of abbreviated H statements

H304 Maybe fatal if swallowed and enters airways.



SAFETY DATA SHEET

# ENVIROSOL CO250

## Abbreviations and Acronyms.

|                |   |
|----------------|---|
| ADN            | European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway.              |
| ADR            | The European Agreement concerning the International Carriage of Dangerous Goods by Road.                      |
| AICS           | Australian Inventory of Chemical Substances.  |
| ATE            | Acute Toxicity Estimate.  |
| BCF            | Bioconcentration Factor.  |
| CAS            | Chemicals Abstract Service.   |
| CSA            | Chemical Safety Assessment.   |
| CSR            | Chemical Safety Report.   |
| CLP            | Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008].                           |
| DMEL           | Derived Minimal effect Level  |
| DNEL           | Derived No effect Level.  |
| EC             | European Commission.  |
| EINECS         | European Inventory of Existing Commercial chemical Substances.  |
| ENCS           | Existing and New Chemical Substances.   |
| ES             | Exposure Scenario.  |
| EU             | European Union.   |
| EU H Statement | CLP Specific Hazard Statement.  |
| EWC            | European Waste Catalogue.   |
| GHS            | Globally Harmonised System of Classification and Labelling of Chemicals.                                      |
| IATA           | International Air Transport Association.  |
| IBC            | Intermediate Bulk Container.  |
| IESCS          | Inventory of Existing Chemical Substances Produced or Imported in China.                                      |
| IMDG           | International Maritime Dangerous Goods.   |
| KECI           | Korea Existing Chemicals Inventory.   |
| Koc            | Soil Organic Carbon-Water Partitioning Coefficient.   |
| MARPOL         | Marine Pollution.   |
| MARPOL 73/78   | International Convention for the Prevention of Pollution From Ships 1973 as modified by the protocol of 1978. |
| OECD           | Organisation for Economic Cooperation and Development.  |
| PBT            | Persistent, Bioaccumulative and Toxic.  |
| PICCS          | Philippines Inventory of Chemicals and Chemical Substances.   |
| PNEC           | Predicted No Effect Concentration.  |
| REACH          | Registration, Evaluation, Authorisation and restriction of Chemicals.   |
| RID            | The Regulations concerning the International Carriage of Dangerous Goods by Rail.                             |
| STOT-RE        | Specific Target Organ Toxicity – Repeated Exposure.   |
| STOT-SE        | Specific Target Organ Toxicity – Single Exposure.   |
| SVHC           | Substance of Very High Concern.   |
| TSCI           | Taiwan Chemical Substance Inventory.  |
| TWA            | Time Weighted Average.  |
| UN             | United Nations.   |
| UVCB           | Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials.   |
| VOC            | Volatile Organic Compound.  |
| vPvB           | Very Persistent and Very Toxic.   |

# ENVIROSOL CO250

---

## Key Literature and sources for data.

Regulations (EC) No. 1907/2006 (REACH), 1272/2008 (CLP), 453/2010, 2015/830 as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC and 2009 161/EC, 2017/164/EU, 2019/1831/EU.

National Threshold Limit Values of the corresponding countries amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

Safety Data Sheets and REACH registration data for individual components.

Internal company information.

## Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Calculation method.

**Revision Date** 14<sup>th</sup> March 2022

**Author** D. Gleeson

## Further information

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 publication 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.