



SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: TRENOIL S 733

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

Identified uses: Metal processing fluid

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer

FUCHS LUBRICANTES, S.A.U.
Ferralla 27
08755 Castellbisbal (Barcelona)

US Distributor
Fuchs Lubricants Co.
17050 Lathrop Avenue
Harvey, IL 60426
(708) 333-8900
(800) 255-3924 24 hrs Emergency

Telephone: +34 902217171 / +34 935475859

Contact Person:

Telephone:

E-mail:

FUCHS LUBRICANTES, S.A.U. Seguridad de Producto
+34 902217171 / +34 935475859
fuchs.solutions@fuchs-oil.com

1.4 US contact telephone :

708-333-8900

Emergency telephone:

800-255-3924

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended.

Health Hazards

Skin irritation

Category 2

H315: Causes skin irritation.

Serious eye irritation

Category 2

H319: Causes serious eye irritation.

Hazard summary

Physical Hazards:

No data available.

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2.2 Label Elements



Signal Words: Warning

Hazard Statement(s): H315: Causes skin irritation.
H319: Causes serious eye irritation.

Precautionary Statement

Prevention: P262: Do not get in eyes, on skin, or on clothing.

The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

2.3 Other hazards:

By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. The product may not be released into the environment without control.

3 COMPOSITION / INFORMATION ON INGREDIENTS

General information: Mixture based on biodegradable ester compounds in combination with special additives.

| Chemical name | Concentration * | Identifier | REACH Registration No. | Notes |
|--|-----------------|------------|------------------------|-------|
| Fatty alcohol ethoxylate | 1.00 - <5.00% | 68920-66-1 | | |
| Alcoholoes, C-10-C16 (incluidos), etoxilados, fosfatados | 1.00 - <3.00% | | | |
| phenolic antioxidant | 0.10 - <0.25% | 128-37-0 | 01-2119565113-46 | |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

| Chemical name | Classification | |
|--|----------------|--|
| Fatty alcohol ethoxylate | CLP: | Skin Irrit. 2; H315 |
| Alcoholoes, C-10-C16 (incluidos), etoxilados, fosfatados | CLP: | Skin Corr. 1B; H314 |
| phenolic antioxidant | CLP: | Aquatic Acute 1; H400, Aquatic Chronic 1; H410 |

DSD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.

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4 FIRST AID MEASURES

General: Change clothes and shoes contaminated or soaked by the product. Never put rags contaminated by the product into clothing pockets.

4.1 Description of first aid measures

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Skin Contact: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.

Ingestion: Rinse mouth. Call a POISON CENTER/doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed: Causes serious eye irritation. Causes skin irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No data available.

Treatment: Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: CO₂, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

Unsuitable extinguishing media: Water with a full water jet.

5.2 Special hazards arising from the substance or mixture: During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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SECTION 6: Accidental release measures

- | | |
|---|--|
| 6.1 Personal precautions, protective equipment and emergency procedures: | Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away. |
| 6.2 Environmental Precautions: | Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. |
| 6.3 Methods and material for containment and cleaning up: | Scrape up spillage or absorb with absorbing material. Stop the flow of material, if this is without risk. Dispose of the material collected according to regulations. |
| 6.4 Reference to other sections: | See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal. Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. |

SECTION 7: Handling and storage:

- | | |
|--|---|
| 7.1 Precautions for safe handling: | Avoid contact with eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Avoid contact with skin. |
| 7.2 Conditions for safe storage, including any incompatibilities: | Local regulations concerning handling and storage of waterpolluting products have to be followed. |
| 7.3 Specific end use(s): | not applicable |

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1.Exposure Limits

8.2.Exposure controls

Appropriate engineering controls:

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

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| | |
|--------------------------------|---|
| General information: | Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products. |
| Eye/face protection: | Safety glasses (EN 166) recommended during refilling. Avoid contact with eyes. |
| Skin protection | |
| Hand Protection: | Nitrile butyl rubber (NBR). Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. |
| Other: | Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing. |
| Respiratory Protection: | Seek advice from local supervisor. Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol. |
| Thermal hazards: | No data available. |
| 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 to remove contaminants. Discard contaminated footwear that cannot be cleaned. |
| Environmental Controls: | No data available. |

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

| | |
|---|--------------------|
| Physical state: | liquid |
| Form: | Clear Liquid |
| Color: | Brown |
| Odor: | Characteristic |
| Odor Threshold: | No data available. |
| pH: | 4.0 |
| Freezing point: | No data available. |
| Boiling Point: | No data available. |
| Flash Point: | > 180 °C |
| Evaporation Rate: | No data available. |
| Flammability (solid, gas): | No data available. |
| Flammability Limit - Upper (%)—: | No data available. |



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| | |
|---|--------------------------------|
| Flammability Limit - Lower (%)—: | No data available. |
| Vapor pressure: | No data available. |
| Vapor density (air=1): | No data available. |
| Density: | 0.91 g/cm ³ (15 °C) |
| Solubility(ies) | |
| Solubility in Water: | No data available. |
| Solubility (other): | No data available. |
| Partition coefficient (n-octanol/water): | No data available. |
| Autoignition Temperature: | No data available. |
| Decomposition Temperature: | No data available. |
| Kinematic viscosity: | 42 mm ² /s (40 °C) |
| Explosive properties: | No data available. |
| Oxidizing properties: | No data available. |
| 9.2 Other information | No data available. |

SECTION 10: Stability and reactivity

| | |
|---|---|
| 10.1 Reactivity: | Stable under normal temperature conditions and recommended use. |
| 10.2 Chemical Stability: | No data available. |
| 10.3 Possibility of Hazardous Reactions: | None under normal conditions. |
| 10.4 Conditions to Avoid: | Avoid heat or contamination. |
| 10.5 Incompatible Materials: | Strong oxidizing substances. Strong acids. Strong bases. |
| 10.6 Hazardous Decomposition Products: | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. |

11 TOXICOLOGICAL INFORMATION

Acute toxicity

Oral

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

| | |
|--|--------------------------|
| Fatty alcohol ethoxylate | LD 50 (Rat): 8,000 mg/kg |
| Alcoholoes, C-10-C16 (incluidos), etoxilados, fosfatados | No data available. |
| phenolic antioxidant | LD 50 (Rat): 2,930 mg/kg |

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Dermal

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Fatty alcohol ethoxylate
Alcoholoes, C-10-C16
(incluidos), etoxilados,
fosfatados
phenolic antioxidant

No data available.

No data available.

LD 50 (Rat): > 5,000 mg/kg

Inhalation

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Fatty alcohol ethoxylate
Alcoholoes, C-10-C16
(incluidos), etoxilados,
fosfatados
phenolic antioxidant

No data available.

No data available.

No data available.

Inhalation:

No data available.

Ingestion:

No data available.

Skin Corrosion/Irritation:

Causes skin irritation.

**Serious Eye Damage/Eye
Irritation:**

Causes eye irritation.

**Respiratory sensitizer/Skin
sensitizer:**

No data available.

Carcinogenicity:

No data available.

Mutagenesis:

No data available.

Reproductive toxicity:

No data available.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity

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Fish

Product: No data available.

Specified substance(s)

Fatty alcohol ethoxylate LC 50 (Fish, 96 h): 11 - 100 mg/l (OECD 203)

Alcoholoes, C-10-C16 No data available.

(incluidos), etoxilados,
fosfatados

phenolic antioxidant LC 50 (Fish, 96 h): > 0.57 mg/l (OECD 203)

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Fatty alcohol ethoxylate No data available.

Alcoholoes, C-10-C16 No data available.

(incluidos), etoxilados,
fosfatados

phenolic antioxidant EC 50 (Water Flea, 48 h): > 0.17 mg/l

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Fatty alcohol ethoxylate No data available.

Alcoholoes, C-10-C16 No data available.

(incluidos), etoxilados,
fosfatados

phenolic antioxidant No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Fatty alcohol ethoxylate No data available.

Alcoholoes, C-10-C16 No data available.

(incluidos), etoxilados,
fosfatados

phenolic antioxidant NOEC (Water Flea, 21 d): > 0.39 mg/l

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Fatty alcohol ethoxylate No data available.

Alcoholoes, C-10-C16 No data available.

(incluidos), etoxilados,
fosfatados

phenolic antioxidant EC 50 (Alga, 72 h): > 0.42 mg/l

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12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

| | |
|--|----------------------------|
| Fatty alcohol ethoxylate | 73 % Readily biodegradable |
| Alcoholoes, C-10-C16 (incluidos), etoxilados, fosfatados | No data available. |
| phenolic antioxidant | 30 % |

12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

| | |
|--|--------------------------------|
| Fatty alcohol ethoxylate | No data available. |
| Alcoholoes, C-10-C16 (incluidos), etoxilados, fosfatados | No data available. |
| phenolic antioxidant | May be accumulated in organism |

12.4 Mobility in Soil: No data available.

Known or predicted distribution to environmental compartments

| | |
|--|--------------------|
| Fatty alcohol ethoxylate | No data available. |
| Alcoholoes, C-10-C16 (incluidos), etoxilados, fosfatados | No data available. |
| phenolic antioxidant | No data available. |

12.5 Results of PBT and vPvB assessment: No data available.

| | |
|--|--------------------|
| Fatty alcohol ethoxylate | No data available. |
| Alcoholoes, C-10-C16 (incluidos), etoxilados, fosfatados | No data available. |
| phenolic antioxidant | No data available. |

12.6 Other Adverse Effects: No data available.

13 Disposal considerations

13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

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Disposal methods: Do not empty into drains; dispose of this material and its container in a safe way. When storing used products, ensure that the waste categories and mixing instructions are observed.

14 TRANSPORT INFORMATION

DOT

Not regulated.

IMDG - International Maritime Dangerous Goods Code

Not regulated.

IATA

Not regulated.

15 REGULATORY INFORMATION

US Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely Hazardous Substance

SARA 304 Emergency Release Notification

SARA 311/312 Hazardous Chemical:

SARA 313 (TRI Reporting)

Inventory Status

| | |
|------|---------------------------------------|
| DSL | Not in compliance with the inventory. |
| NDSL | Not in compliance with the inventory. |
| TSCA | Not in compliance with the inventory. |

16 OTHER INFORMATION

Revision Information: Vertical lines in the margin indicate an amendment.

Wording of the R-phrases and H-statements in section 2 and 3

| | |
|------|---|
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H410 | Very toxic to aquatic life with long lasting effects. |

Other information: The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier

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companies. The classification results from the Conventional Method mentioned in regulation EU 1272/2008 (CLP).

Revision Date:

23.07.2015

Disclaimer:

The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.