

SAFETY DATA SHEET

ENVIROCOL™ 1540

DISTRIBUTOR INFORMATION

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SECTION 1 – PRODUCT INFORMATION

Product Name: ENVIROCOL™ 1540
Common Chemical Name: Secondary Alcohol Ethoxylate
Synonyms: Detergent Range Surfactant
Surfactant Class: Nonionic
Chemical Family: Fatty Alcohol Ethoxylates
Average Molecular Wt.: N/A

SECTION 2 – HAZARDS IDENTIFICATION

GHS Hazards

Acute toxicity (oral)
Eye damage/irritation

Category 4
Category 2B

Acute toxicity
Eye damage/eye irritation

LABEL ELEMENTS

Pictogram:



Signal word: Warning

Hazard statement: H318 Causes serious eye damage.
H302 Harmful if swallowed.

Precautionary statements

Prevention: P264 Wash skin thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.

Response: P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P330 Rinse mouth.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.

Disposal: P501 Dispose of contents / container to an approved waste disposal plant

Additional advice: This product may contain residual levels of alcohol which, even under normal handling conditions, may smell and irritate the eyes, nose, and throat of some individuals.

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SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Components

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical Name</u>
84133-50-6	90-100%	Alcohols, C12-14-secondary, ethoxylated

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

SECTION 4 – FIRST AID MEASURES

Description of first aid measures**General advice:**

Remove contaminated clothing.

If inhaled:

Remove the affected individual into fresh air and keep the person calm. Seek medical attention.

If on skin:

Wash thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Most important symptoms and effects, both acute and delayed

Symptoms: No significant symptoms are expected due to the non-classification of the product.

Indication of any immediate medical attention and special treatment needed**Note to physician:**

Treat accordingly to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media: Suitable extinguishing media

Water spray, dry powder, carbon dioxide, foam

Special hazards arising from the substance or mixture: Hazards during fire-fighting

No particular hazards known.

Advice for fire-fighters: Protective equipment for fire-fighting

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

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Use personal protective clothing. Information regarding personal protective measures see, section 8.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Methods and material for contaminated cleaning up: For small amounts
Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).
Dispose of absorbed material in accordance with regulations.

Methods and material for contaminated cleaning up: For large amounts
Pump off product.
Spills should be contained, solidified, and placed in suitable containers for disposal.

SECTION 7 – HANDLING AND STORAGE**Precautions for safe handling:**

No special measures necessary provided is used correctly.

Protection against fire and explosion:
No special precautions necessary.

Conditions for safe storage, including and incompatibilities:

Keep container tightly closed and in a cool place.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**Advice on system design:**

Provide local exhaust ventilation at elevated temperatures.

Personal protective equipment**Hand protection:**

Chemical resistant protective gloves.

Eye protection:

Safety glasses with side-shields.

Body protection:

Body protection must be chosen based on level of activity and exposure.

General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industry hygiene and safety practice. Keep away from food, drink, and animal feeding stuffs. Avoid contact with skin and eyes. Remove contaminated clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solid	
Color:	White	
Odor:	Mild	
pH value:	6.0 / 8.0	(1% in IPA/Water 1:1 @ 25°C)
Freezing point:	N/A	
Boiling point:	>200°C	
Flash point:	>200°C	(ASTM D92)
Vapor pressure:	N/A	
Specific Gravity:	N/A	
Density:	N/A	
Viscosity:	N/A	
Solubility in water:	Soluble	

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SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Corrosion to metals
No corrosive effect on metal.

Chemical stability

Possibility of hazardous reactions:
The product is chemically stable.

Conditions to avoid:

No conditions known that should be avoided.

Incompatible materials:
Oxidizing agents, strong alkalies.

Hazardous decomposition products:
No hazardous decomposition products if stored and handled as prescribed/indicated.

SECTION 11 – TOXICOLOGY INFORMATION

Primary routes of exposure:
Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Oral
Type of value: LD50
Species: rat
Value: 500 - 2,000 mg/kg

Irritation / corrosion
Assessments or irritating effects: Irritating to respiratory system. Irritating to eyes and skin.

Skin
Species: rabbit
Result: non-irritant
Value: internal

Eye
Species: rabbit
Result: Risk of serious damage to eyes.

Chronic Toxicity/Effects

Other information
This statement was derived from products of similar composition.

Symptoms of Exposure

The most important known symptoms and effects are described in the labeling (see section 2) and /or in section 11.

Medical conditions aggravated by overexposure

Data available does not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.

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SECTION 12 – ECOLOGICAL INFORMATION

ToxicityToxicity to fishLC50 (96 h) 1 - 10 mg/l, *Leuciscus idus*Aquatic invertebrates

EC 50 (48 h) 1 – 10 mg/l

Aquatic plants

EC50 (72 h) 1 – 10 mg/l

Microorganisms/Effect on activated sludgeToxicity to microorganisms

DIN 38412 Part 8 EC10 (17 h): > 10,000 mg/l

Persistence and degradabilityElimination information>70% CO₂ formation relative to the theoretical value (28 d) (OECD 301B) Readily biodegradable**Additional information**

Other ecotoxicological advice:

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrates. Do not release untreated into natural waters. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal of substance:

Dispose of in accordance with national, state, and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:

Recommended crushing, puncturing or other means to prevent unauthorized use of used containers.
Dispose of in accordance with national, state and local regulations

RCRA: NA

SECTION 14 – TRANSPORT INFORMATION

USDOT

Not classified as dangerous goods under transportation regulations

TDG

Not classified as dangerous goods under transportation regulations

IMDG

Not classified as dangerous goods under transportation regulations

IATA

Not classified as dangerous goods under transportation regulations

Additional Information:

No additional information available

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SECTION 15 – REGULATORY INFORMATION
Federal Regulations

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910. 1200

Emergency overview

WARNING:
 Causes irritation.
 MAY CAUSE SKIN IRRITATION.
 MAY CAUSE RESPIRATORY TRACT IRRITATION.
 INGESTION MAY CAUSE GASTRIC DISTURBANCES.
 Avoid contact with the skin, eyes and clothing.
 Avoid inhalation of mists/vapors.
 Use with local exhaust ventilation.
 Wear a NIOSH-certified (or equivalent) organic vapors/particulate respirator.
 Wear NIOSH-certified chemical goggles.
 Wear protective clothing.
 Eye wash fountains and safety showers must be easily accessible.

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories):

Acute

CERCLA RQ

10 LBS

CAS Number

75-21-8

Chemical Name

Ethylene Oxide

Note: The free Ethylene Oxide content of this product is less than 1%.
 As a result, a release of 1000 lbs of this product would be required to trigger CERCLA reporting.

State Regulations

CA Prop. 65:

WARNING: THIS PRODUCT MAY EXPOSE YOU TO **ETHYLENE OXIDE, CAS Number 75-21-8**, A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. For more information go to www.P65Warnings.ca.gov.

Hazard Ratings

Normally Environmental Fluids uses Paintings and Coverings Association valuation method. The use of an asterisk (*) indicates the potential of health effect in the NFPA valuation.

NFPA Hazard codes:

Health: 1 Fire: 1 Reactivity: 0 Special: N/A

HMIS III rating:

Health: 1 Flammability: 1 Physical hazard: 0

Inventory Statement:

Country	Regulatory List	Statement
USA	TSCA	Listed on Inventory
Canada	DSL	Listed on Inventory
EU	EINECS	Listed on Inventory
Australia	AICS	Listed on Inventory
China	SEPA	Listed on Inventory

SAFETY DATA SHEET**ENVIROCOL™ 1540****SECTION 16 – OTHER INFORMATION****SDS Prepared by:**

Environmental Fluids USA Product Regulations

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