

Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH) and Regulation (EU) No. 453/2010



Product Name: EO-diff

Version: 02

Date: May 22, 2020 2022

1. Identification of the substance/preparation and of the company/undertaking

1.1. Identification of the substance or preparation

EO-diff

The reagent is part of the following catalogue numbers:

3MSR0216, 3MSR0915, 3MSR0980, 3MSR0970

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

General use: Laboratory reagent for in-vitro diagnostics in human samples

1.3. Details of the supplier of the safety data sheet

Manufacturer:

Dialab Produktion und Vertrieb von chemisch-technischen Produkten und Laborinstrumenten Gesellschaft m.b.H

Address: Hondastrasse, Objekt M55, IZ-NOE Sued, A-2351 Wr. Neudorf, Austria

Telephone / E-mail: +43 (0)2236 660910-0 / office@dialab.at

1.4. Emergency telephone number

Vienna General Hospital, Toxication Centre, phone: +43-(0)1-4064343

2. Hazards identification

2.1. Classification of the substance or mixture:

Classification according to Directive 1272/2008/EC:

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements:

Labelling (1272/2008/EC):

The product is classified and labelled according to the CLP regulation.

Hazard pictograms: Not classified as hazardous

Signal word: Not classified as hazardous

Hazard statements

H412: Harmful to aquatic life with long lasting effects.

Precautionary statements

P273: Avoid release to the environment.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

No further relevant information available.

3. Composition / information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Description: Mixture: consisting of the following components.

CAS: 9002-93-1	Polyethylene glycol octylphenol ether	<5%
	Acute Tox. 3, H311; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Eye Irrit. 2, H319	
SVHC:		
CAS: 9002-93-1	Polyethylene glycol octylphenol ether	

3.3. 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

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

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H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008	
Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 3: Acute toxicity – Category 3

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

4. First aid measures

4.1. Description of first aid measures

General information: No special measures required.

After excessive inhalation: Provide fresh air; consult a doctor in case of medical complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Do not induce vomiting; call for medical help immediately.

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

No further relevant information available.

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

No further relevant information available.

5. Firefighting measures

5.1. Extinguishing media

Use fire extinguishing methods suitable to surrounding conditions.

5.2. Special hazards arising from the substance or mixture

No further relevant information available

5.3. Advice for firefighters

Protective equipment: No special measures required.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Not required.

6.2. Environmental precautions

Inform respective authorities in case of seepage into water course or sewage system. Dilute with plenty of water.

Do not allow the product to enter sewers/ surface water or ground water.

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6.3. Methods and material for containment and cleaning up

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

7. Handling and storage

7.1. Precautions for safe handling

No special measures required.

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

7.2. Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Protect from frost.

8. Exposure controls/personal protection

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:

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

Additional information:

The most current valid lists have been used as a basis for the production of this document.

8.2. Exposure controls

Appropriate engineering controls:

Not applicable.

Personal protective equipment:

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Not required.

Protection of hands: Not required.

Gloves material : -

Eye protection: Goggles recommended during refilling

Environmental exposure controls:

Not applicable.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties:

General Information	
Appearance:	
Form:	Liquid
Colour:	Clear
Odour:	Odourless
Odour threshold:	Not determined.
pH-value:	6.80+/-10%
Change in condition	
Melting point/freezing point:	0 °C
Initial boiling point and boiling range:	100
Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Ignition temperature:	Not applicable.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not self-igniting.

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Explosive properties:	Product does not present an explosion hazard.
Explosion limits: Lower: Upper:	Not determined. Not determined.
Vapour pressure at 20 °C:	23 Pa
Density:	Not determined.
Relative density :	Not determined.
Vapour density :	Not determined.
Evaporation rate :	Not determined.
Solubility in / Miscibility with water:	Fully miscible.
Segregation coefficient (n-octanol/water):	Not determined.
Viscosity: Dynamic at 20 °C: Kinematic:	0.952 mPas Not determined.
Solvent content: Water:	0 %

9.2. Other information

Osmolarity : 130 +/-10%

10. Stability and reactivity

10.1. Reactivity

No further relevant information available.

10.2. Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

No further relevant information available.

10.5. Incompatible materials

No further relevant information available.

10.6. Hazardous decomposition products

No dangerous decomposition products known.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
CAS: 9002-93-1 Polyethylene glycol octylphenol ether		
Oral	LD50	1,800 mg/kg (rat)
Dermal	LD50	500 mg/kg (rabbit)

Primary irritant effect:

On the skin: Based on available data, the classification criteria are not met.

On the eyes: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

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CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity Based on available data, the classification criteria are not met.
STOT-single exposure Based on available data, the classification criteria are not met.
STOT-repeated exposure Based on available data, the classification criteria are not met.
Aspiration hazard Based on available data, the classification criteria are not met.

11.2. Further information

No further relevant information available.

12. Ecological information

12.1. Toxicity

Aquatic toxicity: No further relevant information available.

12.2. Persistence and degradability

No further relevant information available.

12.3. Bioaccumulative potential

No further relevant information available.

12.4. Mobility in soil

No further relevant information available.

Ecotoxicological effects:

Remark: Harmful to fish

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Harmful to aquatic organisms

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects

No further relevant information available.

12.7. Other information

No further relevant information available.

13. Disposal considerations

13.1. Waste treatment methods

Recommendation : Smaller quantities can be disposed of with household waste.

European waste catalogue	
HP 14	Ecotoxic

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents

14. Transport information

14.1. UN number

ADR, ADN, IMDG, IATA: Not classified as hazardous for transport

14.2. UN proper shipping name

ADR, ADN, IMDG, IATA: Not classified as hazardous for transport

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14.3. Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class: Not classified as hazardous for transport

14.4. Packing group

ADR, IMDG, IATA: Not classified as hazardous for transport

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

15. Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

16. Other information

Reason of Change:

Not applicable.

Contact person: see section 1.3

Dialab GmbH provides the information in this data sheet in good faith, declaring it is up to date at time of revision. However, this document is intended only as a guide for professional use, according to the intended purposes of the product. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

The product is for in vitro diagnostic use only by trained personnel.