

Safety Data Sheet

According to Regulation (EC) No.1907/2006 (REACH)

Date of issue: 06.09.2007
Supersedes edition of 31.08.2007

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

Identification of the product

Catalogue No.: 105377
Product name: Eusolex® OCR

Use of the substance/preparation

Cosmetic raw material

Company/undertaking identification

Company: Merck KGaA * 64271 Darmstadt * Germany * Phone: +49 6151 72-0
Emergency telephone No.: Please contact the regional Merck representation
in your country.
Contact for information: EHSQ/EHS-PI * e-mail:prodsafe@merck.de

2. Hazards identification

May cause long-term adverse effects in the aquatic environment.

3. Composition/information on ingredients

CAS-No.: 6197-30-4
M: 361.50 g/mol
Formula Hill: $C_{24}H_{27}NO_2$
EC-No.: 228-250-8

INCI-name:

Octocrylene

4. First aid measures

After inhalation: fresh air.
After skin contact: wash off with plenty of water. Remove contaminated clothing.
After eye contact: rinse out with plenty of water with the eyelid held wide open.
After swallowing: make victim drink plenty of water. Consult doctor if feeling unwell.

Merck Safety Data Sheet

According to Regulation (EC) No.1907/2006 (REACH)

Catalogue No.: 105377
Product name: Eusolex® OCR

5. Fire-fighting measures

Suitable extinguishing media:
Water, CO₂, foam, powder.

Special risks:
Combustible. Vapours heavier than air.
Forms explosive mixtures with air on intense heating.
Development of hazardous combustion gases or vapours possible in the event of fire.
The following may develop in event of fire: nitrogen oxides.

Special protective equipment for fire fighting:
Do not stay in dangerous zone without self-contained breathing apparatus.

Other information:
Contain escaping vapours with water. Prevent fire-fighting water from entering surface water or groundwater.

6. Accidental release measures

Person-related precautionary measures:
Do not inhale vapours/aerosols.

Environmental-protection measures:
Do not allow to enter sewerage system.

Procedures for cleaning / absorption:
Take up with liquid-absorbent material (e.g. Chemizorb®). Forward for disposal. Clean up affected area.

7. Handling and storage

Handling:

No further requirements.

Storage:

Tightly closed. At +5°C to +30°C.

8. Exposure controls/personal protection

Personal protective equipment:

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection: required when vapours/aerosols are generated.

Eye protection: required

Hand protection: not required

Industrial hygiene:

Change contaminated clothing. Wash hands after working with substance.

Merck Safety Data Sheet

According to Regulation (EC) No.1907/2006 (REACH)

Catalogue No.: 105377
Product name: Eusolex® OCR

9. Physical and chemical properties

Form:		liquid	
Colour:		yellow	
Odour:		weak characteristic odour	
pH value			not available
Melting point		-10	°C
Boiling point	(0.13 hPa)	200	°C
Ignition temperature			not available
Flash point		119	°C
Explosion limits	lower		not available
	upper		not available
Density	(20 °C)	1.048	g/cm ³
Solubility in water	(20 °C)	0.0013	g/l
log Pow		6.88	(calculated) (Lit.)

10. Stability and reactivity

Conditions to be avoided

Strong heating. A range from approx. 15 Kelvin below the flash point is to be rated as critical.

Substances to be avoided

none

Hazardous decomposition products

in the event of fire: See chapter 5.

Further information

Forms explosive mixtures with air on intense heating.

11. Toxicological information

Acute toxicity

LD₅₀ (oral, rat): >5000 mg/kg (Lit.).

Specific symptoms in animal studies:

Eye irritation test (rabbit): No irritation (Lit.).

Skin irritation test (rabbit): No irritation (Lit.).

Subacute to chronic toxicity

Nonphototoxic.

Sensitization:

Sensitisation test (Magnusson and Kligman): negative. (Lit.)

Bacterial mutagenicity: Ames test: negative. (in vitro) (Lit.)

Merck Safety Data Sheet

According to Regulation (EC) No.1907/2006 (REACH)

Catalogue No.: 105377
Product name: Eusolex® OCR

Further toxicological information

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.

Further data

The product should be handled with the care usual when dealing with chemicals.

12. Ecological information

Biologic degradation:
Biodegradation: <20 % MITI test.
Biologically not readily degradable.

Behavior in environmental compartments:
Distribution: log Pow: 6.88 (calculated) (Lit.).
An appreciable bioaccumulation potential is to be expected (log Po/w >3).

Ecotoxic effects:
Biological effects:
May cause long-term adverse effects in the aquatic environment. In the range of the maximally achievable solubility the substance has no harmful effect on fish or daphnia.

Further ecologic data:
Do not allow to enter waters, waste water, or soil!

13. Disposal considerations

Product:

Chemicals must be disposed of in compliance with the respective national regulations. Under www.retrologistik.de you will find country- and substance-specific information as well as contact partners.

Packaging:

Merck product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Under www.retrologistik.de you will find special information on the respective national conditions as well as contact partners.

14. Transport information

Not subject to transport regulations.

15. Regulatory information

Labelling according to EC Directives

Symbol:	---	
R-phrases:	53	May cause long-term adverse effects in the aquatic environment.
S-phrases:	61	Avoid release to the environment. Refer to special instructions/Safety data sheets.

Merck Safety Data Sheet

According to Regulation (EC) No.1907/2006 (REACH)

Catalogue No.: 105377
Product name: Eusolex® OCR

Reduced labelling (1999/45/EC, Art. 10,4)

Symbol: ---
R-phrases: 53 May cause long-term adverse effects in the aquatic environment.
S-phrases: ---

16. Other information

Reason for alteration

Chapter 9: change/addition in physical/chemical properties.
Chapter 11: toxicological information.
Chapter 12: ecological information.

General update.

Regional representation:

This information is given on the authorised Safety Data Sheet for your country.

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.