

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

Estrone

Product no.

-

REACH registration number

-

Other means of identification

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

Relevant identified uses of the substance or mixture

NA

The full text of any mentioned and identified application categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

JONAS & OLK ROHSTOFF AGENTUREN GmbH

Am Oberen Friedhof 3

D-21698 Harsefeld - Deutschland

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Contact person

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E-mail

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SDS date

12-03-2012

SDS Version

2.0

1.4. Emergency telephone number

Use your national or local emergency number

See section 4 "First aid measures"

SECTION 2: Hazards identification

▼ 2.1. Classification of the substance or mixture

Skin Irrit. 2, Eye Irrit. 2, STOT SE 3

2.2. Label elements

▼ Hazard pictogram(s)



▼ Signal word

Warning!

▼ Hazard statement(s)

Causes skin irritation. (H315)

Causes serious eye irritation. (H319)

May cause respiratory irritation. (H335)

Identity of the substances primarily responsible for the major health hazards

According to EC-Regulation 1907/2006 (REACH)

estron. CAS no.: 53-16-7

General

-

Prevention

Wear protective gloves/protective clothing/eye protection/face protection. (P280)

▼ Safety statement(s)

Wash ... thoroughly after handling. (P264)

If eye irritation persists: Get medical advice/attention. (P337+P313)

Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

Storage

Store locked up. (P405)

Disposal

Dispose of contents/container to ... (P501)

▼ 2.3. Other hazards**▼ Additional labelling**

-

▼ Additional warnings

-

▼ VOC

-

▼ DPD/DSD Classification

Irritating to eyes, respiratory system and skin. (R36/37/38).

SECTION 3: Composition/information on ingredients**▼ 3.1/3.2. Substances**

NAME:	estron
IDENTIFICATION NOS.:	CAS-no: 53-16-7 EC-no: 200-164-5
CONTENT:	95-100%
DSD CLASSIFICATION:	Xi; R36/37/38
CLP CLASSIFICATION:	STOT SE 3, Skin Irrit. 2, Eye Irrit. 2 H315, H319, H335
NOTE:	K

(*) See full text of H/R-phrases in chapter 16. Occupational limits are listed in section 8, if these are available.

K = Carcinogenic substance

Other informations**SECTION 4: First aid measures****4.1. Description of first aid measures****▼ General information**

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact the Work Environment Medical Clinic at Bispebjerg Hospital, tlf. 35 31 60 60
Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

▼ Inhalation

Get the person into fresh air and stay with them.

▼ Skin contact

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

▼ Eye contact

Remove contact lenses. Flush eyes with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Contact a doctor at once.

▼ Ingestion

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

Burns

Rinse with water until the pain stops and continue for 30 minutes.

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

According to EC-Regulation 1907/2006 (REACH)

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

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

If eye irritation persists: Get medical advice/attention.

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

▼5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

▼5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, as in the case of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in thick black smoke. Exposure to catabolic products can damage your health. Fire fighters should use proper protection gear. Closed containers, which are exposed to fire, should be cooled with water. Do not let fire-extinguishing water run into sewers and other water courses.

▼5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6: Accidental release measures

▼6.1. Personal precautions, protective equipment and emergency procedures

Avoid inhalation of vapours from waste material.

▼6.2. Environmental precautions

No specific requirements.

▼6.3. Methods and material for containment and cleaning up

Sweep up spills carefully. Use water sprays or ventilated evacuation systems to prevent dust. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided. Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

▼6.4. Reference to other sections

See section on "Disposal" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

▼7.1. Precautions for safe handling

Smoking, consumption of food or liquid, and storage of tobacco, food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection.

▼7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

▼Storage temperature

NA

▼7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

▼OEL

No data available

▼DNEL / PNEC

No data available.

8.2. Exposure controls

▼ No control is necessary if the product is used in a normal way.

According to EC-Regulation 1907/2006 (REACH)

General recommendations

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom.

Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

Exposure limits

There are no maximum exposure limits for the substances contained in this product.

Appropriate technical measures

Take ordinary precautions when using the product. Avoid inhalation of gas or dust.

Hygiene measures

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

Measures to avoid environmental exposure

No specific requirements.

Individual protection measures, such as personal protective equipment



Generally

Only CE-marked personal protection equipment should be used.

Respiratory Equipment

If the ventilation at the work place is not sufficient, use a half or whole mask with an appropriate filter or an air-supplied respiratory protector. The choice depends on the concrete work situation and how long you will be using the product.

Skin protection

Special work clothing should be used.

Hand protection

Use protective gloves. The concrete work situation is not known. Contact the suppliers of the gloves for help on the glove type. Please note that elastic gloves stretch when used. The thickness of the gloves, and therefore their penetration time, will be reduced. Moreover, the temperature of the glove in use is about 35°C, while the standard test, EN 374-3, is done at 23°C. The penetration time is therefore reduced by a factor of 3.

Eye protection

Use face shield. Use safety glasses with a side shield as an alternative.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Colour	Odour	pH	Viscosity	Density (g/cm ³)
Solid	White	NA	-	-	-

Phase changes

Melting point (°C)	Boiling point (°C)	Vapour pressure (mm Hg)
-	-	-

Data on fire and explosion hazards

Flashpoint (°C)	Ignition (°C)	Self ignition (°C)
-	-	-
Explosion limits (Vol %)	Oxidizing properties	
-	-	

Solubility

Solubility in water	n-octanol/water coefficient
Insoluble	-

9.2. Other information

Solubility in fat	Additional information
-	N/A

According to EC-Regulation 1907/2006 (REACH)

SECTION 10: Stability and reactivity

▼ 10.1. Reactivity

No data available

▼ 10.2. Chemical stability

The product is stable under the conditions, noted in the section on "Handling and storage".

▼ 10.3. Possibility of hazardous reactions

No special

▼ 10.4. Conditions to avoid

No special

▼ 10.5. Incompatible materials

Strong acids, strong bases, strong oxidising agents, and strong catabolic agents.

▼ 10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

▼ Acute toxicity

Substance
No data available.

Species

Test

Route of exposure

Result

▼ Long term effects

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances can cause the area of contact to be more prone to absorb damaging substances such as allergens.

SECTION 12: Ecological information

▼ 12.1. Toxicity

Substance
No data available.

Species

Test

Test duration

Result

▼ 12.2. Persistence and degradability

Substance
No data available.

Biodegradability

Test

Result

▼ 12.3. Bioaccumulative potential

Substance
No data available.

Potential bioaccumulation

LogPow

BFC

▼ 12.4. Mobility in soil

No data available

▼ 12.5. Results of PBT and vPvB assessment

No data available

▼ 12.6. Other adverse effects

No special

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

▼ Waste

EWC code

-

▼ Specific labelling

-

▼ Contaminated packing

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

According to EC-Regulation 1907/2006 (REACH)

SECTION 14: Transport information

This product is covered by the conventions on dangerous goods.

14.1 – 14.4

▼ADR/RID	UN number	UN proper shipping name	Transport hazard class(es)	Packing group	Notes		
	2811		6.1	III	-		
▼IMDG	UN-no.	Proper Shipping Name	Class	PG*	EmS	MP**	Hazardous constituent
	2811	GIFTIGT ORGANISK FAST STOF, N.O.S.(3-Hydroxy-1,3,5(10)- estratrien-17-one	6.1	III	-	-	-

▼14.5. Environmental hazards**▼14.6. Special precautions for user****▼14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****▼Restrictions for application**

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC. For exceptions, see the Danish Working Environment Authority's Executive Order No. 239 of 6 April 2005.

▼Demands for specific education**▼15.2. Chemical safety assessment**

No

SECTION 16: Other information**Sources**

EC regulation 1907/2006 (REACH)

Directive 2000/532/EC

EC Regulation 1272/2008 (CLP)

▼Full text of H/R-phrases as mentioned in section 3

R36/37/38 - Irritating to eyes, respiratory system and skin.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

The full text of identified uses as mentioned in section 1**Other symbols mentioned in section 2****Other**

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

The safety data sheet is validated by

Juergen Jonas

Date of last essential change**(First cipher in SDS version)**

02-05-2011

According to EC-Regulation 1907/2006 (REACH)

Date of last minor change
(Last cipher in SDS version)
12-03-2012

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