

# Safety Data Sheet

according to 1907/2006/EC, Article 31



Printing date 06.12.2007

Revision: 06.12.2007

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

### · Product details

· **Trade name:** cis-3-HEXENYL ACETATE ROTICHROM® GC

· **Article number:** 9278

· **Application of the substance / the preparation** Laboratory chemical

### · **Manufacturer/Supplier:**

Carl Roth GmbH + Co.KG

Schoemperlenstraße 3-5

76185 Karlsruhe

Telefon: +49/(0)721 5606-0

Telefax: +49/(0)721 5606-149

Email: [info@carlroth.de](mailto:info@carlroth.de)

· **Further information obtainable from:** Product safety department.

### · **Information in case of emergency:**

Giftinformation München

Telefon: +49/(0)89 19240

Telefax: +49/(0)89 41402467

## 2 Hazards identification

· **Hazard description:** No hazardous product as specified in Directive 67/548/EEC.

· **Information concerning particular hazards for human and environment:**

No hazardous product as specified in Directive 67/548/EEC.

· **Additional information:**

All chemicals are potentially dangerous. They should only be handled by specially trained personnel.

## 3 Composition/information on ingredients

· **Chemical characterization:**

· **CAS No. Description**

3681-71-8 (Z)-hex-3-enyl acetate

· **Identification number(s)**

· **EINECS Number:** 222-960-1

## 4 First-aid measures

· **General information:** Immediately remove any clothing soiled by the product.

· **After inhalation:** Supply fresh air.

· **After skin contact:**

Immediately rinse with water.

If skin irritation continues, consult a doctor.

· **After eye contact:** Rinse opened eye for 10 minutes under running water.

· **After swallowing:**

Rinse out mouth and drink a glass of water. Do not induce vomiting.

If symptoms persist consult doctor.

## 5 Fire-fighting measures

· **Suitable extinguishing agents:** CO<sub>2</sub>, powder, foam.

· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

## 6 Accidental release measures

· **Person-related safety precautions:** Wear protective clothing.

· **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.

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- **Measures for cleaning/collecting:** Absorb with liquid-binding material (e.g. Rotisorb® Art.-Nr. 1710.1).

## 7 Handling and storage

- **Handling:**
- **Information for safe handling:** Handling corresponding to laboratory safety guidelines.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.  
Protect from exposure to the light.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Required when vapours/aerosols are generated.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

## 9 Physical and chemical properties

- **General Information**

<b>Form:</b>	Fluid
<b>Colour:</b>	Colourless

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**Odour:** Fruit-like· **Change in condition****Melting point/Melting range:** Undetermined.**Boiling point/Boiling range:** 75-76/23 mmHg°C· **Flash point:** 57°C· **Danger of explosion:** Product does not present an explosion hazard.· **Density at 20°C:** 0.897 g/cm<sup>3</sup>· **Solubility in / Miscibility with water:** Not miscible or difficult to mix.**10 Stability and reactivity**

- **Thermal decomposition / conditions to be avoided:** No information available.
- **Materials to be avoided:** Strong oxidizing agents.
- **Dangerous reactions** No information available.
- **Dangerous decomposition products:** No information available.

**11 Toxicological information**

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
  - Oral LD50 >5000 mg/kg (rat)
  - Dermal LD50 >5000 mg/kg (rabbit)
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.
- **after inhalation:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Further information:**

To the best of our knowledge, the toxicological properties have not been thoroughly investigated. Hazardous properties cannot be excluded.

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

**12 Ecological information**

- **Ecotoxicological effects:**
- **Aquatic toxicity:** Quantitative data on the ecological effect of this product are not available.
- **General notes:**

Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

**13 Disposal considerations**

- **Product:**
- **Recommendation**

The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.
- **Uncleaned packaging:**
- **Recommendation:** Disposal according to official regulations.

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### 14 Transport information

· **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 3 Flammable liquids.
- **Danger code (Kemler):** 30
- **UN-Number:** 1993
- **Packaging group:** III
- **Hazard label** 3
- **Description of goods:** 1993 FLAMMABLE LIQUID, N.O.S. (not viscous) ((Z)-hex-3-enyl acetate)

· **Maritime transport IMDG:**



- **IMDG Class:** 3
- **UN Number:** 1993
- **Label** 3
- **Packaging group:** III
- **EMS Number:** F-E,S-E
- **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. ((Z)-hex-3-enyl acetate)

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1993
- **Label** 3
- **Packaging group:** III
- **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. ((Z)-hex-3-enyl acetate)

\* **15 Regulatory information**

· **Labelling according to EU guidelines:**

The substance is not subject to classification according to EU lists and other sources of literature known to us.

· **National regulations:**

- **Waterhazard class:** Water hazard class 2 (Assessment by list): hazardous for water.

\* **16 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.

- **Department issuing MSDS:** Environment protection department.
- **Contact:** Herr Hahn
- **\* Data compared to the previous version altered.**