

**1 Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** ROTI®-SEP 1077**Article number:** 0642**Registration number** Mixture - Registration numbers of the components, see Chapter 3**1.2 Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / the mixture**

Laboratory chemical

**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Carl Roth GmbH + Co. KG

Schoemperlenstraße 3-5

76185 Karlsruhe

Germany

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

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

E-Mail: [sicherheit@carlroth.de](mailto:sicherheit@carlroth.de)**Further information obtainable from:** Department Health, Safety and Environment**1.4 Emergency telephone number:**

Poison Centre Munich

Telefon +49/(0)89 19240

**2 Hazards identification****2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Sens. 1 H317 May cause an allergic skin reaction.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xn; Sensitising

R42/43: May cause sensitisation by inhalation and skin contact.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

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

**Hazard pictograms**

GHS08

**Signal word** Danger**Hazard-determining components of labelling:**

Sodium amidotrizoate dihydrat

**Hazard statements**

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

**Precautionary statements**

P302+P352 IF ON SKIN: Wash with plenty of water.

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P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

**Additional information:**

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**2.3 Other hazards**

All chemicals are potentially dangerous. They are therefore only be handled by specially trained personnel with the necessary care.

**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

### 3 Composition/information on ingredients

**3.2 Chemical characterization: Mixtures****Description:** Mixture of substances listed below with nonhazardous additions.**Dangerous components:**

737-31-5	Sodium amidotrizoate dihydrat	3-<10%
	 Xn R42/43  Resp. Sens. 1, H334;  Skin Sens. 1, H317	

**Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

**4.1 Description of first aid measures****General information:**

Remove any clothing soiled by the product.

**After inhalation:**

Supply fresh air.

**After skin contact:**

Rinse with water

If there is any trouble seek medical help.

**After eye contact:**

To be sure rinse opened eye under running water.

**After swallowing:**

Rinse out mouth and then drink water.

If there is any trouble seek medical help.

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

Allergic reactions

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

No further relevant information available.

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## 5 Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents:**

For this substance/mixture no limitations of extinguishing agents are given.

### 5.2 Special hazards arising from the substance or mixture

Ambient fire may liberate hazardous vapours.

### 5.3 Advice for firefighters

**Protective equipment:**

Wear self-contained respiratory protective device.

## 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

### 6.2 Environmental precautions

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

### 6.3 Methods and material for containment and cleaning up

Soak up with absorbent material (small spills with absorbent cloth) and discard.

### 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

### 7.1 Precautions for safe handling

No special precautions are necessary if used correctly.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage:**

**Requirements to be met by storerooms and receptacles:**

Store in a cool location.

**Information about storage in one common storage facility:**

Store away from foodstuffs.

**Further information about storage conditions:**

Keep container tightly sealed.

**Recommended storage temperature:** +4 °C

### 7.3 Specific end use(s)

No further relevant information available.

## 8 Exposure controls/personal protection

**Additional information about design of technical facilities:**

No further data; see item 7.

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**8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

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

**Additional information:**

The lists valid during the making were used as basis.

**8.2 Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.  
Avoid close or long term contact with the skin.  
Wash hands before breaks and at the end of work.

**Individual protection measures**

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

**Respiratory protection:**

If used correctly not required.

**Protection of hands:**

For the permanent contact gloves are recommended.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

Nitrile, thickness:  $\geq 0.11$  mm

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

Value for the permeation: Level  $\geq 6$

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

**As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, thickness:  $\geq 0.11$  mm

Value for the permeation: Level  $\geq 6$

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**Eye protection:**

Tightly sealed goggles

**Body protection:**

Protective work clothing

## 9 Physical and chemical properties

**9.1 Information on basic physical and chemical properties****General Information****Appearance:**

<b>Form:</b>	Fluid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Nearly odourless
<b>Odour threshold:</b>	No information available.

<b>pH-value at 20 °C:</b>	~ 7
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**Change in condition**

<b>Melting point/Melting range:</b>	No information available.
<b>Boiling point/Boiling range:</b>	100 °C

<b>Flash point:</b>	No information available
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<b>Flammability (solid, gaseous):</b>	No information available
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<b>Ignition temperature:</b>	No information available
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<b>Decomposition temperature:</b>	No information available
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<b>Self-igniting:</b>	Product is not self-igniting.
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<b>Danger of explosion:</b>	Product does not present an explosion hazard.
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**Explosion limits:**

<b>Lower:</b>	No information available.
<b>Upper:</b>	No information available.

<b>Oxidizing properties:</b>	No information available.
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<b>Vapour pressure:</b>	No information available
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<b>Density at 20 °C:</b>	1.08 g/cm <sup>3</sup>
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<b>Vapour density</b>	No information available
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<b>Evaporation rate</b>	No information available
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<b>Solubility in / Miscibility with water:</b>	Fully miscible.
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<b>Partition coefficient (n-octanol/water):</b>	No information available
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**Viscosity:**

<b>Dynamic:</b>	No information available.
<b>Kinematic:</b>	No information available.

<b>9.2 Other information</b>	No further relevant information available.
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## 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 and stored according to specifications.

### 10.3 Possibility of hazardous reactions

No dangerous reactions known.

### 10.4 Conditions to avoid

Strong Heating.

### 10.5 Incompatible materials:

No information available.

### 10.6 Hazardous decomposition products:

No dangerous decomposition product known.

## 11 Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity:

#### LD/LC50 values relevant for classification:

737-31-5 Sodium amidotrizoate dihydrat

Oral | LD<sub>50</sub>\* | > 7000 mg/kg (rat) (TOXNET)

#### Specific symptoms in biological assay:

#### Primary irritant effect:

##### on the skin:

Prolonged or repeated contact may cause skin irritations.

##### on the eye:

Intense exposure may cause irritative symptoms.

##### after inhalation:

Vapours may cause irritative symptoms.

#### Sensitization:

Sensitization possible through inhalation.

Sensitization possible through skin contact.

#### CMR effects:

##### Germ cell mutagenicity:

No known significant effects or critical hazards.

##### Carcinogenicity:

No known significant effects or critical hazards.

##### Reproductive toxicity:

No known significant effects or critical hazards.

#### Aspiration hazard:

No aspiration toxicity classification.

#### Specific target organ toxicity - single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

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**Specific target organ toxicity - repeated exposure**

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**Further information:**

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

## 12 Ecological information

**12.1 Toxicity****Aquatic toxicity:**

Quantitative data on the ecological effect of this product are not 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:**

Do not allow to enter waters, waste water, or soil!

**12.5 Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects**

No further relevant information available.

## 13 Disposal considerations

**Waste treatment methods****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.

## 14 Transport information

**14.1 UN-Number**

ADR, ADN, IMDG, IATA

Void

**14.2 UN proper shipping name**

ADR, ADN, IMDG, IATA

Void

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# Safety data sheet

## according to Regulation (EC) No. 1907/2006



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Version number 1

Revision: 07.03.2014

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<b>14.3 Transport hazard class(es)</b>	
<b>ADR, ADN, IMDG, IATA Class</b>	Void
<b>14.4 Packing group</b>	
<b>ADR, IMDG, IATA</b>	Void
<b>14.5 Environmental hazards:</b>	
<b>Marine pollutant:</b>	No
<b>14.6 Special precautions for user</b>	
	Not applicable.
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	
	Not applicable.
<b>UN "Model Regulation":</b>	
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### 15 Regulatory information

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

##### National regulations:

**Information about limitation of use:** Employment restrictions concerning juveniles must be observed.

##### Waterhazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

#### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

### 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.

#### Relevant phrases

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

R42/43 May cause sensitisation by inhalation and skin contact.

**Department issuing MSDS:** Department: Health, Safety and Environment

**Contact:** Frau Weckemann

#### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (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 Harmonized 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

LD50\*: Lethal Dose, 50 percent (Not relevant for classification)

LD50\*: Lethal Concentration, 50 percent (Not relevant for classification)

Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1

**\* Data compared to the previous version altered.**