

## Material Safety Data Sheet According to 91/155 EC

Printing date 24.03.2003

Reviewed on 11.11.2002


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

- **Product details**
- **Trade name:** *DINITROL RC 800*
- **Application of the substance / the preparation** *Rust remover/ rust-removing agent*
- **Manufacturer/Supplier:** *DINOL AB Spangatan 3 Box 149 S-28122 Hässleholm*
- **Further information obtainable from:** *Tel. +46 451 880 00, FAX +46 451 880 44*
- **Information in case of emergency:** *020-996000 (ECR Nr. Nat.) +46 8 337 043 (ERC Nr. Int.)*

### 2 Composition/information on ingredients

- **Chemical characterization**
- **Description:** *Mixture: consisting of the following components.*

· **Dangerous components:**

CAS: 111-76-2	2-butoxyethanol	 Xn; R 20/21/22-36/38	2.5-10%
EINECS: 203-905-0			

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

### 3 Hazards identification

- **Hazard description:** *Not applicable.*
- **Information concerning particular hazards for human and environment:**  
*The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*
- **Classification system:**  
*The classification of the product is based on Annex 1 of the substance directive (67/548/EEG) and ATP25.*

### 4 First-aid measures

- **General information:** *No special measures required.*
- **After inhalation:**  
*Supply fresh air; consult doctor in case of complaints.  
Seek medical treatment in case of complaints.*
- **After skin contact:**  
*Remove contaminated clothing. Wash skin with soap and water.  
If skin irritation continues, consult a doctor.*
- **After eye contact:**  
*Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.*
- **After swallowing:**  
*Rinse out mouth and then drink plenty of water.  
Do not induce vomiting; call for medical help immediately.*

### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
*CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*

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- **Special hazards caused by the substance, its products of combustion or resulting gases:**  
Hydrogen chloride (HCl)
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**  
Do not allow product to reach sewage system or any water course.  
Dilute with plenty of water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** Use only in well ventilated areas.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Protect from frost.

### 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:**

#### 111-76-2 2-butoxyethanol

OES	Short-term value: 50 ppm
	Long-term value: 25 ppm
	Sk, , IOELV

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:**  
Suitable respiratory protective device recommended.  
Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**



Protective gloves

- **Material of gloves:** Nitrile rubber, NBR
- **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:** Safety glasses

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### 9 Physical and chemical properties

#### · General Information

<b>Form:</b>	Fluid
<b>Colour:</b>	Whitish
<b>Odour:</b>	Recognizable

#### · Change in condition

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** Undetermined.

· **Flash point:** 58°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density at 20°C:** 1.2 g/cm<sup>3</sup>

· **Solubility in / Miscibility with water:** Fully miscible.

· **pH-value at 20°C:** 1 - 2

· **Solvent content:**  
**Organic solvents:** 4.0 %

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
 No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **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.

### 12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:** There is no data available for the product.
- **Ecotoxicological effects:**
- **Remark:** There is no data available for the product.
- **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.

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### 13 Disposal considerations

- **Product:**
- **Recommendation** Dispose of in accordance with Local Authority requirements

- **European waste catalogue**

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 07 00	wastes from the MFSU of fine chemicals and chemical products not otherwise specified
07 07 99	wastes not otherwise specified

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **Marine pollutant:** No

### 15 Regulatory information

- **Labelling according to EU guidelines:**  
Observe the general safety regulations when handling chemicals.  
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Safety phrases:**  
60 This material and its container must be disposed of as hazardous waste.

- **National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

- **Technical instructions (air):**

Class	Share in %
II	2,5-10

- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **EU-VOC:** 4.00 %

### 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 R-phrases**  
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
36/38 Irritating to eyes and skin.
- **Department issuing MSDS:** Q&E Department