


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

- **Product details**
- **Trade name:** Dinitrol Autocleaner 7225 (100 ml)
- **Application of the substance / the preparation** *Cleaning material/ Detergent*
- **Manufacturer/Supplier:**  
*Dinol GmbH  
 Pyrmonter Strasse 76  
 D-32676 Lügde  
 Tel: +49 5281 9829 80  
 Fax: +49 5281 9829 860  
 E-mail: thomas.suerig@dinol.com*
- **Further information obtainable from:** *Research & Development*
- **Information in case of emergency:** *Giftnotruf Berlin +49(0)30 30686 790 Beratung in Deutsch und Englisch.*

## 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
 *Xn; Harmful*  
*R65: Harmful: may cause lung damage if swallowed.*  
*R66: Repeated exposure may cause skin dryness or cracking.*
- **Information concerning particular hazards for human and environment:**  
*The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*  
*At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.*
- **Classification system:**  
*The classification is according to the latest editions of the EU-lists, and extended by company and literature data.*

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- **Label elements**
- **Labelling according to EU guidelines:**  
*The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.*
- **Code letter and hazard designation of product:**  
 *Xn Harmful*
- **Risk phrases:**  
*65 Harmful: may cause lung damage if swallowed.*  
*66 Repeated exposure may cause skin dryness or cracking.*
- **Safety phrases:**  
*2 Keep out of the reach of children.*  
*13 Keep away from food, drink and animal feedingstuffs.*  
*23 Do not breathe fumes.*  
*24/25 Avoid contact with skin and eyes.*  
*56 Dispose of this material and its container to hazardous or special waste collection point.*  
*62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.*

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- **Additional information:**  
The petroleum naphtha / petroleum distillate / lubricating oil meet the requirements for not being classified as carcinogenic (<0,1% benzene alt<3% (w/w) DMSO extract (IP 346)).

### 3 Composition/information on ingredients

- **Chemical characterization:**
- **CAS No. Description**  
64742-48-9 Naphtha (petroleum), hydrotreated heavy
- **Identification number(s)**
- **EINECS Number:** 265-150-3

### 4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.

### 5 Firefighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**  
Do not allow to enter sewers/ surface or ground water.  
In case of seepage into the ground inform responsible authorities.  
Inform respective authorities in case of seepage into water course or sewage system.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.

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· **Further information about storage conditions:** None.

## 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:**
- **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.  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:** Solvent resistant gloves
- **Material of gloves:** Nitrile rubber
- **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

## 9 Physical and chemical properties

- **General Information**
- **Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Clear
<b>Odour:</b>	Mild
- **Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	> 193°C
- **Flash point:** 66°C
- **Ignition temperature:** > 230°C
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**

<b>Lower:</b>	0.6 Vol %
<b>Upper:</b>	7 Vol %
- **Vapour pressure At 20°C:** < 0.1 hPa
- **Density At 20°C:** 0.78 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**

<b>water:</b>	Not miscible or difficult to mix.
<b>Organic solvents:</b>	98.0 %

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**· Additional information:**

VOC (EU): 98.00 %  
VOC (EU): 770.0 g/l

### 10 Stability and reactivity

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

### 11 Toxicological information

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

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

### 12 Ecological information

- **Additional ecological information:**
- **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.

### 13 Disposal considerations

- **Product:**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**· European waste catalogue**

14 00 00	WASTE ORGANIC SOLVENTS, REFRIGERANTS AND PROPELLANTS (except 07 and 08)
14 06 00	waste organic solvents, refrigerants and foam/aerosol propellants
14 06 03	other solvents and solvent mixtures

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -

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- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

### **15 Regulatory information**

- **Chemical safety assessment** A Chemical Safety Assessment has not been carried out.
- **National regulations:**
- **Technical instructions (air):**

Class	Share in %
NK	50-100

- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly 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:** Research & Development
- **Contact:** Dr. Thomas Sürig
- **\* Data compared to the previous version altered.**