

Revision date: 15.05.2025

## DINITROL 977

Product code: 21904

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### 1. Identification

#### Product identifier

DINITROL 977

#### Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

Anti-corrosive coating

#### Details of the supplier of the safety data sheet

##### Manufacturer

Company name: DINOL GmbH  
Street: Pyrmonter Strasse 76  
Place: D-32676 Luegde  
Telephone: + 49 (0) 5281 982980  
E-mail: msds@dinol.com  
Contact person: Labor  
Responsible Department: msds@dinol.com

Telefax: + 49 (0) 5281 9829860

##### Supplier

Company name: DINOL U.S. Inc.  
Street: 8500 Cotter Street, Lewis Center  
Place: USA-43035 Ohio  
Telephone: 740-548-1656  
E-mail: info@dinolus.com  
Internet: www.dinol.com

Telefax: 740-548-1657

**Emergency telephone number:** 3E Company Emergency +1-866-404-4230

### 2. Hazard identification

#### Classification of the substance or mixture

##### WHMIS 2015

Skin corrosion/irritation: Skin Irrit. 2  
Serious eye damage/eye irritation: Eye Irrit. 2A

#### Label elements

##### WHMIS 2015

**Signal word:** Warning

**Pictograms:**



##### Hazard statements

Causes skin irritation.  
Causes serious eye irritation.

##### Precautionary statements

Wash water thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
IF ON SKIN: Wash with plenty of water.  
Specific treatment (see on this label).  
If skin irritation occurs: Get medical advice/attention.  
Take off contaminated clothing and wash it before reuse.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

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Continue rinsing.

If eye irritation persists: Get medical advice/attention.

### Other hazards

No information available.

## 3. Composition/information on ingredients

### Mixtures

#### Relevant ingredients

CAS No	Chemical name	Quantity
64743-00-6	Hydrocarbon waxes (petroleum), oxidized	5 - < 10 % (*)
61789-86-4	calcium sulfonate	1 - < 5 % (*)
108-01-0	2-dimethylaminoethanol; N,N-dimethylethanolamine	1 - < 5 % (*)

(\*) The actual concentration is withheld as a trade secret.

### Further Information

Full text of H- and EUH-statements: see section 16.

## 4. First-aid measures

### Description of first aid measures

#### General information

In all cases of doubt, or when symptoms persist, seek medical advice.

Never give anything by mouth to an unconscious person or a person with cramps.

If unconscious but breathing normally, place in recovery position and seek medical advice.

#### After inhalation

Remove casualty to fresh air and keep warm and at rest.

#### After contact with skin

Change contaminated clothing.

After contact with skin, wash immediately with plenty of water and soap.

#### After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Seek medical advice immediately.

#### After ingestion

If swallowed, rinse mouth with water (only if the person is conscious).

Do NOT induce vomiting.

Call a physician immediately.

Put victim at rest, cover with a blanket and keep warm.

### Most important symptoms and effects, whether acute or delayed

No further relevant information available.

### Indication of immediate medical attention and special treatment needed

No further relevant information available.

## 5. Fire-fighting measures

### Extinguishing media

#### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

#### Unsuitable extinguishing media

High power water jet.

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### Specific hazards arising from the hazardous product

No further relevant information available.

### Special protective equipment and precautions for fire-fighters

Use of respiratory protective equipment

### Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### **General advice**

Provide adequate ventilation.

Wear personal protection equipment.

Avoid contact with skin, eyes and clothes.

Avoid breathing dust/fume/gas/mist/vapours/spray.

#### **For emergency responders**

For further specification, refer to section 8 of the SDS.

### Environmental precautions

Do not allow uncontrolled discharge of product into the environment.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

### Methods and material for containment and cleaning up

#### **For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers).

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

#### **For cleaning up**

Provide adequate ventilation.

Clear contaminated areas thoroughly.

Do not rinse down with water.

#### **Other information**

No information available.

### Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## 7. Handling and storage

### Precautions for safe handling

#### **Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used.

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

#### **Advice on protection against fire and explosion**

No special measures are necessary.

#### **Advice on general occupational hygiene**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately.

Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

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### Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

No special measures are necessary.

#### Hints on joint storage

Not required.

#### Further information on storage conditions

Keep container tightly closed.

## 8. Exposure controls/Personal protection

### Control parameters

### Exposure controls



#### Appropriate engineering controls

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Eye glasses with side protection (EN 166)

##### Hand protection

Tested protective gloves must be worn (EN ISO 374):

FKM (fluoro rubber) penetration time (maximum wearing period): 480 min.

NBR (Nitrile rubber) penetration time (maximum wearing period): 480 min.

Thickness of the glove material : > 0,12 mm

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Protective gloves have to be replaced at the first sign of deterioration.

Protect skin by using skin protective cream.

##### Skin protection

Wear anti-static footwear and clothing

##### Respiratory protection

Work in well-ventilated zones or use proper respiratory protection.

gas filtering equipment (EN 141)., Filter material/medium: A

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	beige
Odour:	characteristic
Odour threshold:	not determined

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	100 °C
Flammability:	not applicable

#### Test method

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Lower explosive limits:	not determined
Upper explosive limits:	not determined
Flash point:	> 250 °C DIN 53213
Auto-ignition temperature:	not determined
Decomposition temperature:	not determined
pH-Value (at 20 °C):	9,5 - 10
Viscosity / kinematic:	not determined
Water solubility:	completely miscible
Solubility in other solvents	not determined
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	23 hPa
(at 20 °C)	
Vapour pressure:	123 hPa
(at 50 °C)	
Density (at 20 °C):	1 g/cm³ DIN 51757
Relative vapour density:	not determined
Particle characteristics:	not applicable

### Other information

#### Information with regard to physical hazard classes

Explosive properties

not explosive.

Sustained combustibility:

No data available

Oxidizing properties

not determined

#### Other safety characteristics

Solvent content:

Solvent 2,98 %

water 53,0 %

Solid content:

41,6 %

Softening point:

not determined

#### Further Information

No information available.

## 10. Stability and reactivity

### Reactivity

No further relevant information available.

### Chemical stability

This material is considered to be non-reactive under normal use conditions.

### Possibility of hazardous reactions

No known hazardous reactions.

### Conditions to avoid

No further relevant information available.

### Incompatible materials

No further relevant information available.

### Hazardous decomposition products

Carbon monoxide

## 11. Toxicological information

### Information on toxicological effects

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### Acute toxicity

Based on available data, the classification criteria are not met.

### ATEmix calculated

ATE (oral) &gt; 5000 mg/kg; ATE (dermal) &gt; 5000 mg/kg; ATE (inhalation vapour) &gt; 50 mg/l; ATE (inhalation dust/mist) &gt; 12,5 mg/l

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
61789-86-4	calcium sulfonate				
	oral	LD50 5000 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rat		
108-01-0	2-dimethylaminoethanol; N,N-dimethylethanolamine				
	oral	LD50 1187 mg/kg	Rat		
	dermal	LD50 1219 - 3135 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 5983 mg/l	Rat		
	inhalation dust/mist	ATE 0,5 mg/l			

### Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

### Sensitizing effects

Based on available data, the classification criteria are not met.

### Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

### STOT-single exposure

Based on available data, the classification criteria are not met.

### STOT-repeated exposure

Based on available data, the classification criteria are not met.

### Aspiration hazard

Based on available data, the classification criteria are not met.

### Information on likely routes of exposure

No information available.

### Specific effects in experiment on an animal

No information available.

### Additional information on tests

No information available.

### Practical experience

No information available.

### Information on other hazards

#### Endocrine disrupting properties

Endocrine disrupting potential No information available.

### Further information

There are no data available on the preparation/mixture itself.

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## 12. Ecological information

### Persistence and degradability

No further relevant information available.

### Bioaccumulative potential

No further relevant information available.

### Mobility in soil

No further relevant information available.

### Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### Other adverse effects

No further relevant information available.

### Further information

There are no data available on the mixture itself.

## 13. Disposal considerations

### Waste treatment methods

#### **Disposal recommendations**

Dispose of waste according to applicable legislation.

This material and its container must be disposed of as hazardous waste.

#### **Contaminated packaging**

Dispose of waste according to applicable legislation.

## 14. Transport information

### **Canadian TDG**

#### Proper shipping name:

No dangerous good in sense of this transport regulation.

### **Marine transport (IMDG)**

#### UN number or ID number:

No dangerous good in sense of this transport regulation.

#### United Nations proper shipping name:

No dangerous good in sense of this transport regulation.

#### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

#### Packing group:

No dangerous good in sense of this transport regulation.

Marine pollutant:

no

#### **Other applicable information (marine transport)**

Protect against:

### **Air transport (ICAO-TI/IATA-DGR)**

#### UN number or ID number:

No dangerous good in sense of this transport regulation.

#### United Nations proper shipping name:

No dangerous good in sense of this transport regulation.

#### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

#### Packing group:

No dangerous good in sense of this transport regulation.

#### **Other applicable information (air transport)**

Protect against:

### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### **Other applicable information**

Transport classification ADR/IMDG is based on packaging &gt;30ltr(IMDG), &gt;450ltr(ADR).

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For other packaging units different classification can apply.

**15. Regulatory information****Canadian regulations****DSL/NDSL inventory status**

Substance/product listed in the following inventories: DSL/NDSL

**Additional information**

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

**16. Other information****Changes**

This data sheet contains changes from the previous version in section(s): 8.

**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

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

**Further Information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*