

# Safety Data Sheet

according to WHMIS

## DINITROL 587

Revision date: 19.11.2024

Product code: 5318

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### 1. Identification

#### Product identifier

DINITROL 587

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

##### Use of the substance/mixture

detergent

#### 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

This mixture is not classified as hazardous in accordance with WHMIS 2015.

#### Label elements

##### Additional advice on labelling

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

#### Other hazards

No information available.

### 3. Composition/information on ingredients

#### Mixtures

##### Hazardous components

CAS No	Chemical name	Quantity
67762-90-7	Siloxanes and Silicones, di-Me, reaction products with silica	10 - < 30% (*)

(\*) 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

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**General information**

If unconscious but breathing normally, place in recovery position and seek medical advice.  
Never give anything by mouth to an unconscious person or a person with cramps.  
In all cases of doubt, or when symptoms persist, seek medical advice.

**After inhalation**

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

**After contact with skin**

Wash with plenty of water. Change contaminated clothing. Take off contaminated clothing and wash it before reuse.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink plenty of water. If swallowed, rinse mouth with water (only if the person is conscious).  
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 information available.

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

Treat symptomatically.

**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.

**Specific hazards arising from the hazardous product**

No information available.

**Additional information**

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).

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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

No special measures are necessary.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

#### Advice on general occupational hygiene

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

### Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed.

#### Hints on joint storage

No special measures are necessary.

#### Further information on storage conditions

No information available.

## 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 (DIN 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.

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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.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:	whitish	
Odour:	characteristic	
Odour threshold:	not determined	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		270 °C
Flammability		
Solid/liquid:		not applicable
Lower explosive limits:		not determined
Upper explosive limits:		not determined
Flash point:		200 °C
Auto-ignition temperature:		370 °C
Decomposition temperature:		not determined
pH-Value:		not determined
Viscosity / kinematic:		not determined
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.	
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:		not determined
Vapour pressure:		not determined
Density:		1,05 g/cm <sup>3</sup>
Relative vapour density:		not determined
Particle characteristics:		not applicable

### Other information

#### Information with regard to physical hazard classes

Explosive properties	
not determined	
Sustaining combustion:	No data available
Self-ignition temperature	
Solid:	not applicable
Gas:	not applicable
Oxidizing properties	
Not oxidising.	

#### Other safety characteristics

Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	0,0%
Solid content:	39,75 %

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Softening point:

not determined

Viscosity / dynamic:

not determined

### Further Information

No information available.

## 10. Stability and reactivity

### Reactivity

No hazardous reaction when handled and stored according to provisions.

### Chemical stability

The product is stable under storage at normal ambient temperatures.

### Possibility of hazardous reactions

No known hazardous reactions.

### Conditions to avoid

none

### Incompatible materials

No information available.

### Hazardous decomposition products

No known hazardous decomposition products.

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

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

#### ATEmix calculated

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 5 mg/l

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
67762-90-7	Siloxanes and Silicones, di-Me, reaction products with silica				
	oral	LD50 mg/kg	>5000	Rat	

#### Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

#### 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.

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## 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.

## 12. Ecological information

### Persistence and degradability

There are no data available on the mixture itself.

### Bioaccumulative potential

There are no data available on the mixture itself.

### Mobility in soil

There are no data available on the mixture itself.

### 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 information available.

## Further information

No special environmental measures are necessary.

## 13. Disposal considerations

### Waste treatment methods

#### Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

#### Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

## 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.

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

#### UN number or ID number:

No dangerous good in sense of this transport regulation.

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#### United Nations proper shipping

No dangerous good in sense of this transport regulation.

#### name:

#### Transport hazard class(es):

No dangerous good in sense of this transport regulation.

#### Packing group:

No dangerous good in sense of this transport regulation.

#### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 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): 16.

#### **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.)*