

# Safety Data Sheet

according to WHMIS

## DEKASYL MS 1 GREY

Revision date: 20.01.2025

Product code: 1824

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### 1. Identification

#### Product identifier

DEKASYL MS 1 GREY

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

##### Use of the substance/mixture

Adhesives, sealants

##### Uses advised against

No further relevant information available.

#### 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

##### Other hazards

No information available.

### 3. Composition/information on ingredients

#### Mixtures

##### Hazardous components

CAS No	Chemical name	Quantity
13463-67-7	titanium dioxide	0,1 - < 1 %
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	0.1 - < 1% (*)
3069-29-2	N-(3(dimethoxymethylsilyl)propyl)ethylenediamine	0.1 - < 1% (*)
54068-28-9	Diocetyl tin acetylacetonate	0.1 - < 1% (*)

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

##### Further Information

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

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**4. First-aid measures****Description of first aid measures****General information**

No special measures are necessary.

**After inhalation**

Provide fresh air. Call a doctor if you feel unwell.

**After contact with skin**

No special measures are necessary.

**After contact with eyes**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

**After ingestion**

IF SWALLOWED: Call a POISON CENTER/doctor// if you feel unwell.

**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**

Full water jet

**Specific hazards arising from the hazardous product**

No further relevant information available.

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

Use suitable breathing apparatus.

**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.

**For emergency responders**

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

**Environmental precautions**

Do not allow to enter into surface water or drains.

**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.

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### 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

Use only in well-ventilated areas.

#### Advice on protection against fire and explosion

No special fire protection 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.

### 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

none

## 8. Exposure controls/Personal protection

### Control parameters

#### Exposure limits (ACGIH)

CAS No	Chemical name	ppm	mg/m <sup>3</sup>	F/ml	Category	Origin
13463-67-7	Titanium dioxide: Finescale particles (Respirable particulate matter)		0.2		TWA (8 h)	ACGIH-2024

### 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

Filling and transfer : Eye glasses with side protection (EN 166)

##### Hand protection

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

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

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.

In case of insufficient ventilation, wear suitable respiratory equipment. gas filtering equipment (EN 141), Filter material/medium: A/P2

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:	Paste
Colour:	black, white, grey
Odour:	characteristic
Odour threshold:	not determined

### Test method

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	> 34 °C

### Flammability

Solid/liquid:	not determined
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Lower explosive limits:	not determined
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Upper explosive limits:	not determined
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Flash point:	> 60 °C
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Auto-ignition temperature:	not determined
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Decomposition temperature:	not applicable
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pH-Value:	not determined
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Viscosity / kinematic:	> 21 mm²/s
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Water solubility:	not applicable
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Solubility in other solvents	not determined
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Partition coefficient n-octanol/water:	not determined
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Vapour pressure:	not determined
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Density (at 20 °C):	1,58 g/cm³	DIN 51757
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Relative vapour density:	not determined
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Particle characteristics:	not applicable
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### Other information

#### Information with regard to physical hazard classes

Explosive properties	not determined
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Oxidizing properties	not determined
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#### Other safety characteristics

Softening point:	not determined
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#### Further Information

No information available.

## 10. Stability and reactivity

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### Reactivity

No further relevant information available.

### Chemical stability

No hazardous reaction when handled and stored according to provisions.

### 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

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 tested

	Dose	Species	Source
LC50, inhalation (vapour)	876,65 mg/l		

#### ATEmix calculated

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 5000 mg/kg; ATE (inhalation dust/mist) &gt; 5 mg/l

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
13463-67-7	titanium dioxide				
	oral	LD50 > 20000 mg/kg	Rat		
	dermal	LD50 > 10000 mg/kg	Rabbit		
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine				
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			
3069-29-2	N-(3(dimethoxymethylsilyl)propyl)ethylenediamine				
	oral	ATE 500 mg/kg			

### 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.

OECD 406 Skin sensitisation :not sensitising.

### 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.

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### 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.

## 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 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.

Do not mix with other wastes.

#### 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)

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<b><u>UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>United Nations proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>Packing group:</u></b>	No dangerous good in sense of this transport regulation.
Marine pollutant:	no

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

<b><u>UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>United Nations proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>Packing group:</u></b>	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): 2,5,8,9,11,16.

### 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.)*