

**DEKASYL MS 1 BLACK**

Revision: 06.02.2026

Product code: 1823

Page 1 of 10

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

DEKASYL MS 1 BLACK

**1.2. 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.

**1.3. 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	Telefax: + 49 (0) 5281 9829860
E-mail:	msds@dinol.com	
Contact person:	Labor	
Internet:	www.dinol.com	
Responsible Department:	msds@dinol.com	

**Supplier**

Company name:	Leading Solvent Supplies Limited
Street:	Marston Business Park, Rudgate
Place:	GB Tockwith, York YO26 7QF
E-mail:	enquiries@leading-solvents.co.uk
Internet:	www.leading-solvents.co.uk

**1.4. Emergency telephone number:**

Giftnotruf Berlin: +49 30 30686 700 (Beratung in Deutsch und Englisch)

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Regulation (EC) No 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

**2.2. Label elements**

**Regulation (EC) No 1272/2008**

**Hazard statements**

EUH208	Contains trimethoxyvinylsilane, N-(3-(trimethoxysilyl)propyl)ethylenediamine, N-(3(dimethoxymethylsilyl)propyl)ethylenediamine, Dioctyltin acetylacetonate. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**DEKASYL MS 1 BLACK**

Revision: 06.02.2026

Product code: 1823

Page 2 of 10

**Relevant ingredients**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
2768-02-7	trimethoxyvinylsilane			1 - < 2,5 %
	220-449-8	014-049-00-0	01-2119513215-52	
	Flam. Liq. 3, Acute Tox. 4, Skin Sens. 1B; H226 H332 H317			
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine			0,1 - < 1 %
	217-164-6		01-2119970215-39	
	Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, STOT SE 3; H332 H318 H317 H335			
3069-29-2	N-(3(dimethoxymethylsilyl)propyl)ethylenediamine			< 1 %
	221-336-6		01-2119963926-21	
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1; H302 H315 H318 H317			
54068-28-9	Dioctyltin acetylacetonate			< 1 %
	483-270-6		01-0000020199-67	
	Skin Sens. 1, STOT SE 2; H317 H371			

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

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
2768-02-7	220-449-8	trimethoxyvinylsilane	1 - < 2,5 %
		inhalation: LC50 = 16,8 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 3540 mg/kg; oral: LD50 = 7120-7236 mg/kg	
1760-24-3	217-164-6	N-(3-(trimethoxysilyl)propyl)ethylenediamine	0,1 - < 1 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists)	
3069-29-2	221-336-6	N-(3(dimethoxymethylsilyl)propyl)ethylenediamine	< 1 %
		oral: ATE = 500 mg/kg	
54068-28-9	483-270-6	Dioctyltin acetylacetonate	< 1 %
		Skin Sens. 1; H317: >= 5 - 100	

**Further Information**

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

**SECTION 4: First aid measures**
**4.1. 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.

**DEKASYL MS 1 BLACK**

Revision: 06.02.2026

Product code: 1823

Page 3 of 10

**4.2. Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**4.3. Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

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

**Unsuitable extinguishing media**

Extinguishing powder

**5.2. Special hazards arising from the substance or mixture**

No further relevant information available.

**5.3. Advice for firefighters**

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.

**SECTION 6: Accidental release measures**

**6.1. 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.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. 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.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**DEKASYL MS 1 BLACK**

Revision: 06.02.2026

Product code: 1823

Page 4 of 10

**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.

**7.2. 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**

storage temperature: : 10 - < 35 °C

**7.3. Specific end use(s)**

No information available.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
28553-12-0	Diisononyl phthalate	-	5		TWA (8 h)	WEL

**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
28553-12-0	Diisononyl phthalate			
	Worker DNEL, long-term	inhalation	systemic	51,72 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	366 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	15,3 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	220 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	4,4 mg/kg bw/day
2768-02-7	trimethoxyvinylsilane			
	Worker DNEL, long-term	inhalation	systemic	27,6 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	3,9 mg/kg bw/day

**DEKASYL MS 1 BLACK**

Revision: 06.02.2026

Product code: 1823

Page 5 of 10

**PNEC values**

CAS No	Substance	Value
Environmental compartment		
28553-12-0	Diisononyl phthalate	
Soil		30 mg/kg
2768-02-7	trimethoxyvinylsilane	
Freshwater		0,33 mg/l
Marine water		0,033 mg/l
Micro-organisms in sewage treatment plants (STP)		13 mg/l
Soil		0,04 mg/l

**8.2. 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**

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

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state: Paste  
 Colour: white  
 Odour: characteristic  
 Odour threshold: not determined

**Test method**

Melting point/freezing point: not determined

**DEKASYL MS 1 BLACK**

Revision: 06.02.2026

Product code: 1823

Page 6 of 10

Boiling point or initial boiling point and boiling range:	> 34 °C
Flammability:	not determined
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	> 60 °C
Auto-ignition temperature:	not determined
Decomposition temperature:	not applicable
pH-Value:	not determined
Viscosity / kinematic: (at 20 °C)	> 21 mm <sup>2</sup> /s
Water solubility:	not applicable
Solubility in other solvents not determined	
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density (at 20 °C):	1,58 g/cm <sup>3</sup> DIN 51757
Relative vapour density:	not determined
Particle characteristics:	not applicable

**9.2. Other information**

**Information with regard to physical hazard classes**

Explosive properties  
not determined

Oxidizing properties  
not determined

**Other safety characteristics**

Softening point: not determined

**Further Information**

No information available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No further relevant information available.

**10.2. Chemical stability**

No hazardous reaction when handled and stored according to provisions.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

No further relevant information available.

**10.5. Incompatible materials**

No further relevant information available.

**10.6. Hazardous decomposition products**

No known hazardous decomposition products.

**SECTION 11: Toxicological information**

**11.1. Information on hazard classes**

**Acute toxicity**

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

**ATEmix tested**

**DEKASYL MS 1 BLACK**

Revision: 06.02.2026

Product code: 1823

Page 7 of 10

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

**ATEmix calculated**

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
2768-02-7	trimethoxyvinylsilane				
	oral	LD50 7120-7236 mg/kg	Rat		
	dermal	LD50 3540 mg/kg	Rabbit		OECD 406
	inhalation (4 h) vapour	LC50 16,8 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			
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.

**Sensitising effects**

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

Contains trimethoxyvinylsilane, N-(3-(trimethoxysilyl)propyl)ethylenediamine, N-(3(dimethoxymethylsilyl)propyl)ethylenediamine, Dioctyltin acetylacetonate. May produce an allergic reaction.

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.

**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.

**11.2. Information on other hazards**

**DEKASYL MS 1 BLACK**

Revision: 06.02.2026

Product code: 1823

Page 8 of 10

**Endocrine disrupting properties**

Endocrine disrupting potential No information available.

**Further information**

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

**SECTION 12: Ecological information**

**12.1. Toxicity**

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

**12.2. Persistence and degradability**

There are no data available on the mixture itself.

**12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

**12.4. Mobility in soil**

There are no data available on the mixture itself.

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

**12.6. 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.

**12.7. Other adverse effects**

No further relevant information available.

**Further information**

There are no data available on the mixture itself.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal recommendations**

Dispose of waste according to applicable legislation.  
Do not mix with other wastes.

**List of Wastes Code - residues/unused products**

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

**List of Wastes Code - contaminated packaging**

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

**Contaminated packaging**

Dispose of waste according to applicable legislation.

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

- |   |  |
|---|--|
| <b><u>14.1. UN number or ID number:</u></b>     | No dangerous good in sense of this transport regulation. |
| <b><u>14.2. UN proper shipping name:</u></b>    | No dangerous good in sense of this transport regulation. |
| <b><u>14.3. Transport hazard class(es):</u></b> | No dangerous good in sense of this transport regulation. |

**DEKASYL MS 1 BLACK**

Revision: 06.02.2026

Product code: 1823

Page 9 of 10

<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.
<b>Inland waterways transport (ADN)</b>	
<b><u>14.1. UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.
<b>Marine transport (IMDG)</b>	
<b><u>14.1. UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.
Marine pollutant:	no
<b>Air transport (ICAO-TI/IATA-DGR)</b>	
<b><u>14.1. UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.2. UN proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.3. Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.4. Packing group:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>14.5. Environmental hazards</u></b>	
ENVIRONMENTALLY HAZARDOUS:	No
<b><u>14.6. Special precautions for user</u></b>	
not applicable	
<b><u>14.7. Maritime transport in bulk according to IMO instruments</u></b>	
not applicable	

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 52, Entry 75

Directive 2004/42/EC on VOC in paints and varnishes:	2,40 % 37,9 g/l
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**Additional information**

Observe in addition any national regulations!

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

**National regulatory information**

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
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Water hazard class (D):	1 - slightly hazardous to water
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**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

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

**SECTION 16: Other information**

**DEKASYL MS 1 BLACK**

Revision: 06.02.2026

Product code: 1823

Page 10 of 10

**Changes**

This data sheet contains changes from the previous version in section(s): 8,16.

**Abbreviations and acronyms**

Flam. Liq. 3: Flammable liquids, hazard category 3

Acute Tox. 4: Acute toxicity, hazard category 4

Skin Irrit. 2: Skin irritation, hazard category 2

Eye Dam. 1: Serious eye damage, hazard category 1

Skin Sens. 1: Skin sensitisation, hazard category 1

Skin Sens. 1B: Skin sensitisation, hazard category 1B

STOT SE 2: Specific target organ toxicity - single exposure, hazard category 2

STOT SE 3: Specific target organ toxicity - single exposure, hazard category 3

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%

**Relevant H and EUH statements (number and full text)**

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H371 May cause damage to organs.

EUH208 Contains trimethoxyvinylsilane, N-(3-(trimethoxysilyl)pro

pyl)ethylenediamine, N-(3(dimethoxymethylsilyl)propyl)ethylenediamine, Dioctyltin acetylacetonate. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

**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.

This safety data sheet contains only safety-related information and does not replace product information or product specifications.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

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