

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKASYL MS 1 BLACK

Revision date: 02/23/2024

Product code: 1823

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1. Identification**Product identifier**

DEKASYL MS 1 BLACK

Recommended use of the chemical and restrictions on use**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 phone number: 3E Company Emergency +1-866-404-4230**2. Hazard(s) identification****Classification of the chemical****29 CFR Part 1910.1200**

This mixture is not classified as hazardous in accordance with Regulation 29 CFR 1910.1200(d).

Label elements**Hazards not otherwise classified**

No information available.

3. Composition/information on ingredients**Mixtures****Hazardous components**

| CAS No | Components | Quantity |
|------------|--------------------------------------------------|-------------|
| 1333-86-4 | Carbon Black | 0,1 - < 1 % |
| 1760-24-3 | N-(3-(trimethoxysilyl)propyl)ethylenediamine | 0,1 - < 1 % |
| 3069-29-2 | N-(3(dimethoxymethylsilyl)propyl)ethylenediamine | 0.75 % |
| 54068-28-9 | Dioctyltin acetylacetonate | 0.75 % |

Further Information

Full text of H 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, both acute and delayed

No further relevant information available.

Indication of any 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

Extinguishing powder

Specific hazards arising from the chemical

No further relevant information available.

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.

Additional information

Use water spray/stream to protect personnel and to cool endangered containers. Suppress gases/vapors/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/vapors/spray.

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).

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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 (PPE): 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

storage temperature: : 10 - < 35 °C

8. Exposure controls/personal protection

Control parameters

Exposure limits

| CAS No | Substance | ppm | mg/m ³ | f/cc | Category | Origin |
|-----------|---------------------------------------------------------------------------------|-----|-------------------|------|-----------|------------|
| 1333-86-4 | Carbon black (in presence of polycyclic aromatic hydrocarbons (PAHs)) (as PAHs) | - | 0.1 | | TWA (8 h) | REL |
| 1333-86-4 | Carbon black (inhalable fraction) | | 3 | | TWA (8 h) | ACGIH-2023 |
| 1333-86-4 | Carbon black | - | 3.5 | | TWA (8 h) | PEL |

Exposure controls



Appropriate engineering controls

Provide adequate ventilation.

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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

FKM (fluoro rubber), Breakthrough time:: 480 min.

NBR (Nitrile rubber), Breakthrough time:: 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 |
| Color: | white |
| Odor: | 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: | not determined |
| Lower explosion limits: | not determined |
| Upper explosion limits: | not determined |
| Flash point: | > 60 °C |
| Auto-ignition temperature: | 370 °C |
| Decomposition temperature: | not applicable |
| pH-Value: | not determined |
| Viscosity / kinematic: (at 20 °C) | > 21 mm ² /s |
| Water solubility: | not applicable |
| Solubility in other solvents not determined | |
| Partition coefficient n-octanol/water: | not determined |
| Vapor pressure: | not determined |
| Density (at 20 °C): | 1,58 g/cm ³ DIN 51757 |
| Relative vapour density: | not determined |
| Particle characteristics: | not applicable |

Other information

Information with regard to physical hazard classes

Explosive properties
not determined

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 Oxidizing properties
not determined

Other safety characteristics

Softening point: not determined

Further Information

No information available.

10. Stability and reactivity
Reactivity

No further relevant information available.

Chemical stability

Stability: Stable

No hazardous reaction when handled and stored according to provisions.

Possibility of hazardous reactions

Hazardous reactions: Will not occur

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
Route(s) of Entry

No information available.

Information on toxicological effects
Acute toxicity

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

ATEmix tested

| | Dose | Species | Source |
|--------------------------|-------------|---------|--------|
| LC50, inhalation (vapor) | 876,65 mg/l | | |

ATEmix calculated

ATE (oral) 4237 mg/kg; ATE (dermal) 4187 mg/kg; ATE (inhalation dust/mist) > 5 mg/l

| CAS No | Components | | | | |
|-----------|--------------------------------------------------|-------------------|---------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 1333-86-4 | Carbon Black | | | | |
| | oral | LD50 > 8000 mg/kg | Rat | | |
| 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 | | | |

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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.

Specific target organ toxicity (STOT) - single exposure

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

Specific target organ toxicity (STOT) - repeated exposure

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

Carcinogenicity (IARC): Carbon black (CAS 1333-86-4) is listed in group 2B.

Aspiration hazard

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

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.

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Do not mix with other wastes.

Contaminated packaging

Dispose of waste according to applicable legislation.

14. Transport information**U.S. DOT 49 CFR 172.101****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.

UN 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

Air transport (ICAO-TI/IATA-DGR)**UN number or ID number:**

No dangerous good in sense of this transport regulation.

UN 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.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

not applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

15. Regulatory information**U.S. Regulations****National Inventory TSCA**

Substance/product listed in the following inventories: TSCA

National regulatory information

SARA Section 311/312 Hazards:

Carbon Black (1333-86-4): Delayed (chronic) health hazard

N-(3-(trimethoxysilyl)pro

pyl)ethylenediamine (1760-24-3): Immediate (acute) health hazard

N-(3(dimethoxymethylsilyl)propyl)ethylenediamine (3069-29-2): Immediate (acute) health hazard

Diocetyl tin acetylacetonate (54068-28-9): Immediate (acute) health hazard

State Regulations**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

WARNING: This product can expose you to chemicals including Carbon black (airborne, unbound particles of respirable size) (cancer), which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Directive 2004/42/EC on VOC in 2,40 %

paints and varnishes: 37,9 g/l

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**Hazardous Materials Identification System (HMIS)**

Health: 0

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Flammability: 1

NFPA Hazard Ratings

Health: 1

Flammability: 1

Reactivity: 0

Unique Hazard:

**Changes**

Revision date: 02/23/2024

Revision No: 1,2

This data sheet contains changes from the previous version in section(s): 2,8,9,11.

Abbreviations and acronymsADR: 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%

Other data

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.)