

Safety Data Sheet

according to UK REACH Regulation

DINITROL 700 IQ Black

Revision date: 22.01.2025

Product code: 92216

Page 1 of 11

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

DINITROL 700 IQ Black

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Adhesives, sealants

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 | |
| 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****GB CLP Regulation**

This mixture is not classified as hazardous in accordance with GB CLP Regulation.

2.2. Label elements**GB CLP Regulation****Special labelling of certain mixtures**

| | |
|--------|--|
| EUH208 | Contains trimethoxyvinylsilane; trimethoxy(vinyl)silane, Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction. |
| EUH210 | Safety data sheet available on request. Restricted to professional users. |

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Mixture of various substances

Safety Data Sheet

according to UK REACH Regulation

DINITROL 700 IQ Black

Revision date: 22.01.2025

Product code: 92216

Page 2 of 11

Relevant ingredients

| CAS No | Chemical name | | | Quantity |
|--------------|--|--------------|------------------|-----------------|
| | EC No | Index No | REACH No | |
| | Classification (GB CLP Regulation) | | | |
| 90622-57-4 | Alkanes, C9-12-iso- | | | 2,5 - < 10 % |
| | 292-459-0 | | 01-2119472146-39 | |
| | Flam. Liq. 3, Asp. Tox. 1, Aquatic Chronic 4; H226 H304 H413 | | | |
| 2768-02-7 | trimethoxyvinylsilane; trimethoxy(vinyl)silane | | | 0,1 - < 1 % |
| | 220-449-8 | 014-049-00-0 | 01-2119513215-52 | |
| | Flam. Liq. 3, Acute Tox. 4, Skin Sens. 1B; H226 H332 H317 | | | |
| 1065336-91-5 | Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | | | 0,025 - < 0,1 % |
| | 915-687-0 | | 01-2119491304-40 | |
| | Repr. 2, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H361f H317 H400 H410 | | | |

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; trimethoxy(vinyl)silane | 0,1 - < 1 % |
| | inhalation: LC50 = 16,79 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = >3460-4000 mg/kg; oral: LD50 = 7340-7460 mg/kg | | |
| 1065336-91-5 | 915-687-0 | Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | 0,025 - < 0,1 % |
| | dermal: LD50 = 2000 - 5000 mg/kg; oral: LD50 = 3125 mg/kg Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1 | | |

Further Information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

SECTION 4: First aid measures
4.1. 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

Provide fresh air. If experiencing respiratory symptoms: Call a doctor.

After contact with skin

Remove mechanically (e.g. dab away using wadding or cellulose material) then thoroughly wash the affected skin with a mild cleansing agent and water.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist 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.

Safety Data Sheet

according to UK REACH Regulation

DINITROL 700 IQ Black

Revision date: 22.01.2025

Product code: 92216

Page 3 of 11

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

No information available.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet
alcohol resistant foam
Extinguishing powder
Carbon dioxide (CO₂)

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Gases/vapours, toxic

5.3. Advice for firefighters

In case of fire: Wear self-contained 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 uncontrolled discharge of product into the environment.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Safety Data Sheet

according to UK REACH Regulation

DINITROL 700 IQ Black

Revision date: 22.01.2025

Product code: 92216

Page 4 of 11

SECTION 7: Handling and storage
7.1. Precautions for safe handling
Advice on safe handling

Provide adequate ventilation. Provide adequate ventilation as well as local exhaust at critical locations.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

Vapours can form explosive mixtures with air.

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

Do not allow to enter into soil/subsoil.

Hints on joint storage

Store away from foodstuffs.

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Keep container dry.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|--|----------------|----------|------------------------|
| 2768-02-7 | trimethoxyvinylsilane; trimethoxy(vinyl)silane | | | |
| Consumer DNEL, long-term | | dermal | systemic | 0,3 mg/kg bw/day |
| Consumer DNEL, acute | | dermal | local | 26,9 mg/person/day |
| Consumer DNEL, long-term | | oral | systemic | 0,3 mg/kg bw/day |
| Worker DNEL, long-term | | inhalation | systemic | 4,9 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 0,69 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 1,04 mg/m ³ |
| Consumer DNEL, acute | | inhalation | local | 93,4 mg/m ³ |

Safety Data Sheet

according to UK REACH Regulation

DINITROL 700 IQ Black

Revision date: 22.01.2025

Product code: 92216

Page 5 of 11

PNEC values

| CAS No | Substance | |
|--|--|-------------|
| Environmental compartment | | Value |
| 2768-02-7 | trimethoxyvinylsilane; trimethoxy(vinyl)silane | |
| Freshwater | | 0,34 mg/l |
| Marine water | | 0,034 mg/l |
| Freshwater sediment | | 1,24 mg/kg |
| Marine sediment | | 0,12 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 110 mg/l |
| Soil | | 0,052 mg/kg |

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

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

NBR (Nitrile rubber) (0,8 mm), <= 240 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.

short-term :gas filtering equipment (EN 141)., Filter material/medium: A2

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

| | | |
|---|----------------|----------------|
| Physical state: | Paste | |
| Colour: | black | |
| Odour: | characteristic | |
| Odour threshold: | not determined | |
| Melting point/freezing point: | | not determined |
| Boiling point or initial boiling point and boiling range: | | not applicable |
| Flammability: | | not applicable |
| Lower explosion limits: | | not determined |
| Upper explosion limits: | | not determined |

Safety Data Sheet

according to UK REACH Regulation

DINITROL 700 IQ Black

Revision date: 22.01.2025

Product code: 92216

Page 6 of 11

| | |
|--|--|
| Flash point: | not applicable |
| 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 |
| Vapour pressure: | not determined |
| Density (at 20 °C): | 1,45 g/cm ³ |
| Relative vapour density: | not determined |

9.2. Other information

Information with regard to physical hazard classes

| | |
|------------------------|-------------------|
| Explosive properties | |
| not determined | |
| Sustaining combustion: | No data available |
| Oxidizing properties | |
| not determined | |

Other safety characteristics

| | |
|--------------------------|----------------|
| Evaporation rate: | not determined |
| Solvent separation test: | not determined |
| Viscosity / dynamic: | not determined |

Further Information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Reacts with :
Acid
Oxidising agent, strong

10.4. Conditions to avoid

Protect from moisture.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

In case of fire may be liberated:
Nitrogen oxides (NO_x)
Sulphur oxides
After contact with water: Formation of: Methanol

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Safety Data Sheet

according to UK REACH Regulation

DINITROL 700 IQ Black

Revision date: 22.01.2025

Product code: 92216

Page 7 of 11

Acute toxicity

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

ATEmix calculated

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

| CAS No | Chemical name | | | | |
|--------------|--|------------------------|---------|--------|----------|
| | Exposure route | Dose | Species | Source | Method |
| 2768-02-7 | trimethoxyvinylsilane; trimethoxy(vinyl)silane | | | | |
| | oral | LD50 7340-7460 mg/kg | Rat | | |
| | dermal | LD50 >3460-4000 mg/kg | Rabbit | | OECD 406 |
| | inhalation (4 h) vapour | LC50 16,79 mg/l | Rat | | |
| | inhalation dust/mist | ATE 1,5 mg/l | | | |
| 1065336-91-5 | Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | | | | |
| | oral | LD50 3125 mg/kg | Rat | | |
| | dermal | LD50 2000 - 5000 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; trimethoxy(vinyl)silane, Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. May produce an allergic reaction.

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.

11.2. Information on other hazards
Endocrine disrupting properties

Endocrine disrupting potential No information available.

SECTION 12: Ecological information
12.1. Toxicity

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

Safety Data Sheet

according to UK REACH Regulation

DINITROL 700 IQ Black

Revision date: 22.01.2025

Product code: 92216

Page 8 of 11

| CAS No | Chemical name | | | | | |
|-----------|--|-----------------|-----------|--------------------------------|--------|--------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 2768-02-7 | trimethoxyvinylsilane; trimethoxy(vinyl)silane | | | | | |
| | Acute fish toxicity | LC50 >100 mg/l | 96 h | Danio rerio (zebrafish) | | |
| | Acute algae toxicity | ErC50 >100 mg/l | 72 h | Desmodesmus subspicatus | | |
| | Acute crustacea toxicity | EC50 >100 mg/l | 48 h | Daphnia magna (Big water flea) | | |

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.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|-----------|--|---------|
| 2768-02-7 | trimethoxyvinylsilane; trimethoxy(vinyl)silane | 1,1 |

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 information available.

Further information

There are no data available on the preparation/mixture itself.
Do not allow to enter into surface water or drains.

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 proposed waste codes/waste designations in accordance with EWC:

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 - used product

080411 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); adhesive and sealant sludges containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

Safety Data Sheet

according to UK REACH Regulation

DINITROL 700 IQ Black

Revision date: 22.01.2025

Product code: 92216

Page 9 of 11

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Remove according to the regulations.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.
 Marine pollutant: no

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

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 40, Entry 75

Directive 2004/42/EC on VOC in paints and varnishes: 2,16 %
 31,32 g/l
 Subcategory according to Directive 2004/42/EC: Bodyfiller/stopper - All types, VOC limit value: 250 g/l

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

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

Safety Data Sheet

according to UK REACH Regulation

DINITROL 700 IQ Black

Revision date: 22.01.2025

Product code: 92216

Page 10 of 11

| | |
|--------------------------|---|
| 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. |
| Water hazard class (D): | 1 - slightly hazardous to water |

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

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 9,15.

Abbreviations and acronyms

Flam. Liq: Flammable liquids
 Acute Tox: Acute toxicity
 Asp. Tox: Aspiration hazard
 Skin Sens: Skin sensitisation
 Repr: Reproductive toxicity
 Aquatic Acute: Acute aquatic hazard
 Aquatic Chronic: Chronic aquatic hazard
 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. |
| H304 | May be fatal if swallowed and enters airways. |
| H317 | May cause an allergic skin reaction. |
| H332 | Harmful if inhaled. |
| H361f | Suspected of damaging fertility. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H413 | May cause long lasting harmful effects to aquatic life. |
| EUH208 | Contains trimethoxyvinylsilane; trimethoxy(vinyl)silane, Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate. 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.

Safety Data Sheet

according to UK REACH Regulation

DINITROL 700 IQ Black

Revision date: 22.01.2025

Product code: 92216

Page 11 of 11

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