

**Safety Data Sheet**

according to WHMIS

**DINITROL HIGH PERFORMANCE WAX SPRAY**

Date (latest revision): 26.01.2026

Product code: 20180

Page 1 of 17

**1. Identification****Product identifier**

DINITROL HIGH PERFORMANCE WAX SPRAY

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

Anti-corrosive coating

**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 | 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: | DINOL U.S. Inc.                  |                       |
| Street:       | 8500 Cotter Street, Lewis Center |                       |
| Place:        | USA-43035 Ohio                   |                       |
| Telephone:    | 740-548-1656                     | Telefax: 740-548-1657 |
| E-mail:       | info@dinolus.com                 |                       |
| Internet:     | www.dinol.com                    |                       |

**Emergency telephone number:** 3E Company Emergency +1-866-404-4230**2. Hazard identification**

## DINITROL HIGH PERFORMANCE WAX SPRAY

Date (latest revision): 26.01.2026

Product code: 20180

Page 2 of 17

### Classification of the substance or mixture

#### WHMIS 2015

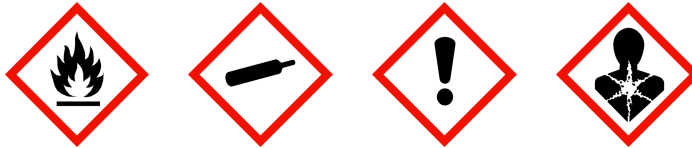
Gases under pressure: Compressed gas  
 Serious eye damage/eye irritation: Eye Irrit. 2A  
 Respiratory or skin sensitization: Skin Sens. 1B  
 Specific target organ toxicity - single exposure: STOT SE 3 (narcotic effects)  
 Aspiration hazard: Asp. Tox. 1

### Label elements

#### WHMIS 2015

**Signal word:** Danger

**Pictograms:**



#### Hazard statements

Extremely flammable aerosol.  
 Contains gas under pressure; may explode if heated.  
 Harmful if inhaled.  
 Causes serious eye irritation.  
 May cause an allergic skin reaction.  
 May cause drowsiness or dizziness.  
 May be fatal if swallowed and enters airways.

#### Precautionary statements

Avoid breathing dust/fume/gas/mist/vapours/spray.  
 Wash hands thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 Do not spray on an open flame or other ignition source.  
 Do not pierce or burn, even after use.

**Safety Data Sheet**

according to WHMIS

**DINITROL HIGH PERFORMANCE WAX SPRAY**

Date (latest revision): 26.01.2026

Product code: 20180

Page 3 of 17

Contaminated work clothing should not be allowed out of the workplace.

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

IF ON SKIN: Wash with plenty of water.

Do NOT induce vomiting.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor if you feel unwell.

Specific treatment (see on this label).

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If skin irritation or rash occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Wash contaminated clothing before reuse.

Store in a well-ventilated place. Keep container tightly closed.

Store locked up.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**Additional advice on labelling**

The classification of the aerosol was carried out according to EC 1272/2008, Annex 1, point 1.1.3.7.

**Other hazards**

Endocrine disrupting properties: Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics.

No information available.

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

**DINITROL HIGH PERFORMANCE WAX SPRAY**

Date (latest revision): 26.01.2026

Product code: 20180

Page 4 of 17

**Relevant ingredients**

| CAS No     | Chemical name   | Quantity        |
|------------|---|-----------------|
|            | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics   | 10 - < 30 % (*) |
| 74-98-6    | propane   | 7 - < 13 % (*)  |
| -          | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics | 5 - < 10 % (*)  |
|            | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics   | 5 - < 10 % (*)  |
| 109-66-0   | pentane   | 5 - < 10 % (*)  |
| 61789-86-4 | calcium sulfonate   | 1 - < 5 % (*)   |

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

**Further Information**

Hydrocarbons meet the requirements for not being classified as carcinogenic (<0,1% benzene alt<3% (w/w)  
DMSO extract (IP 346)).

**4. First-aid measures**
**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**

Remove casualty to fresh air and keep warm and at rest.  
If unconscious but breathing normally, place in recovery position and seek medical advice.

**After contact with skin**

Change contaminated clothing.  
Wash with plenty of water/Soap.  
If skin irritation occurs: Get medical advice/attention.

**After contact with eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

**Safety Data Sheet**

according to WHMIS

**DINITROL HIGH PERFORMANCE WAX SPRAY**

Date (latest revision): 26.01.2026

Product code: 20180

Page 5 of 17

Continue rinsing. In case of eye irritation consult an ophthalmologist.

**After ingestion**

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.

Do NOT induce vomiting.

**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**

Carbon dioxide (CO<sub>2</sub>); Extinguishing powder; Water spray jet; alcohol resistant foam.

**Unsuitable extinguishing media**

High power 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**

Wear personal protection equipment.

**Safety Data Sheet**

according to WHMIS

**DINITROL HIGH PERFORMANCE WAX SPRAY**

Date (latest revision): 26.01.2026

Product code: 20180

Page 6 of 17

Avoid contact with skin, eyes and clothes.

**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.

**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**

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.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

## Safety Data Sheet

according to WHMIS

### DINITROL HIGH PERFORMANCE WAX SPRAY

Date (latest revision): 26.01.2026

Product code: 20180

Page 7 of 17

#### 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.

Remove contaminated, saturated clothing immediately.

Do not breathe gas/vapour/aerosol.

#### Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

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

Do not keep the container sealed. Keep container dry.

Keep away from heat. Protect from direct sunlight.

##### Hints on joint storage

Not required.

##### Further information on storage conditions

Keep container tightly closed.

### 8. Exposure controls/Personal protection

#### Control parameters

##### Exposure limits (ACGIH)

| CAS No   | Chemical name      | ppm  | mg/m <sup>3</sup> | Category      | Origin     |
|----------|--------------------|------|-------------------|---------------|------------|
| 75-28-5  | Butane: isobutane  | 1000 | 2370              | STEL (15 min) | ACGIH-2025 |
| 106-97-8 | Butane: n-butane   | 1000 | 2370              | STEL (15 min) | ACGIH-2025 |
| 109-66-0 | Pentane: n-pentane | 1000 | 2950              | TWA (8 h)     | ACGIH-2025 |
| 74-98-6  | Propane            | -    | -                 | Asphyxiant    | ACGIH-2025 |

#### Exposure controls

## Safety Data Sheet

according to WHMIS

### DINITROL HIGH PERFORMANCE WAX SPRAY

Date (latest revision): 26.01.2026

Product code: 20180

Page 8 of 17



#### 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.

gas filtering equipment (EN 141)., Filter material/medium: A/X

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Physical state:

Aerosol

## DINITROL HIGH PERFORMANCE WAX SPRAY

Date (latest revision): 26.01.2026

Product code: 20180

Page 9 of 17

Colour: whitish transparent  
 Odour: characteristic  
 Odour threshold: not determined

### Test method

|   |  |           |
|---|--|-----------|
| Melting point/freezing point:                             | not determined   |           |
| Boiling point or initial boiling point and boiling range: | - 44,5 °C  |           |
| Flammability:   | not applicable   |           |
| Lower explosive limits:                                   | 0,7 vol. %   |           |
| Upper explosive limits:                                   | 10,9 vol. %  |           |
| Flash point:  | - 97 °C  | DIN 53213 |
| Auto-ignition temperature:                                | > 200 °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:  | 3500 hPa   |           |
| (at 20 °C)  |  |           |
| Vapour pressure:  | 13 hPa   |           |
| (at 50 °C)  |  |           |
| Density (at 20 °C):                                       | 0,7 g/cm <sup>3</sup>  | DIN 51757 |
| Relative vapour density:                                  | not determined   |           |
| Particle characteristics:                                 | not applicable   |           |

### Other information

#### Information with regard to physical hazard classes

Explosive properties  
 not determined

**Safety Data Sheet**

according to WHMIS

**DINITROL HIGH PERFORMANCE WAX SPRAY**

Date (latest revision): 26.01.2026

Product code: 20180

Page 10 of 17

|                                     |                   |
|-------------------------------------|-------------------|
| Sustained combustibility:           | No data available |
| Self-ignition temperature           |                   |
| Solid:                              | not applicable    |
| Gas:                                | not applicable    |
| Oxidizing properties                |                   |
| not determined                      |                   |
| <b>Other safety characteristics</b> |                   |
| Evaporation rate:                   | not determined    |
| Solvent content:                    | 77,5 %            |
| Solid content:                      | 22,5 %            |
| Viscosity / dynamic:                | not determined    |

**Further Information**

No information available.

**10. Stability and reactivity****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**

Carbon monoxide

**11. Toxicological information**

**Safety Data Sheet**

according to WHMIS

**DINITROL HIGH PERFORMANCE WAX SPRAY**

Date (latest revision): 26.01.2026

Product code: 20180

Page 11 of 17

**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) 4,545 mg/l

**Safety Data Sheet**

according to WHMIS

**DINITROL HIGH PERFORMANCE WAX SPRAY**

Date (latest revision): 26.01.2026

Product code: 20180

Page 12 of 17

| CAS No     | Chemical name   |                        |         |        |        |
|------------|---|------------------------|---------|--------|--------|
|            | Route of exposure   | Dose                   | Species | Source | Method |
|            | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics   |                        |         |        |        |
|            | oral  | LD50 > 5000 mg/kg      | Rat     |        |        |
|            | dermal  | LD50 > 5000 mg/kg      | Rabbit  |        |        |
|            | inhalation dust/mist  | LC50 > 5000 mg/l       | Rat     |        |        |
| -          | Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics |                        |         |        |        |
|            | oral  | LD50 > 5000 mg/kg      | Rat     |        |        |
|            | dermal  | LD50 > 5000 mg/kg      | Rabbit  |        |        |
|            | Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics   |                        |         |        |        |
|            | oral  | LD50 > 5000 mg/kg      | Rat     |        |        |
|            | dermal  | LD50 > 5000 mg/kg      | Rabbit  |        |        |
| 109-66-0   | pentane   |                        |         |        |        |
|            | oral  | LD50 >5000 mg/kg       | Rat     |        |        |
|            | inhalation (4 h) vapour   | LC50 > 25,3 mg/l       | Rat     |        |        |
| 61789-86-4 | calcium sulfonate   |                        |         |        |        |
|            | oral  | LD50 16000 mg/kg       | Rat     |        |        |
|            | dermal  | LD50 4000 - 5000 mg/kg | Rabbit  |        |        |

**Safety Data Sheet**

according to WHMIS

**DINITROL HIGH PERFORMANCE WAX SPRAY**

Date (latest revision): 26.01.2026

Product code: 20180

Page 13 of 17

**Irritation and corrosivity**

Serious eye damage/eye irritation: Causes serious eye irritation.

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

**Sensitizing effects**

May cause an allergic skin reaction. (calcium sulfonate)

**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**

May cause drowsiness or dizziness. (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics)

**STOT-repeated exposure**

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

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**Information on other hazards****Endocrine disrupting properties**

Endocrine disrupting properties: Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics.

Endocrine disrupting potential No information available.

**Further information**

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

**12. Ecological information****Persistence and degradability**

No further relevant information available.

**Bioaccumulative potential**

No further relevant information available.

**Mobility in soil**

No further relevant information available.

**Safety Data Sheet**

according to WHMIS

**DINITROL HIGH PERFORMANCE WAX SPRAY**

Date (latest revision): 26.01.2026

Product code: 20180

Page 14 of 17

**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**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**13. Disposal considerations**
**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:

**Contaminated packaging**

Dispose of waste according to applicable legislation.

**14. Transport information**
**Canadian TDG**
**UN number:**

UN 1950

**Proper shipping name:**

AEROSOLS

**Hazard classes:**

2.1

Hazard label:

2.1



Limited quantity:

1 L

**Marine transport (IMDG)**
**UN number or ID number:**

UN 1950

**Safety Data Sheet**

according to WHMIS

**DINITROL HIGH PERFORMANCE WAX SPRAY**

Date (latest revision): 26.01.2026

Product code: 20180

Page 15 of 17

**United Nations proper shipping name:** AEROSOLS

**Transport hazard class(es):** 2.1

**Packing group:** -

Hazard label: 2.1



Marine pollutant: no  
 Special Provisions: 63, 190, 277, 327, 344, 959  
 Limited quantity: 1000 mL  
 Excepted quantity: E0  
 EmS: F-D, S-U

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

**UN number or ID number:** UN 1950

**United Nations proper shipping name:** AEROSOLS, flammable

**Transport hazard class(es):** 2.1

**Packing group:** -

Hazard label: 2.1



Special Provisions: A145 A167 A802  
 Limited quantity Passenger: 30 kg G  
 IATA-packing instructions - Passenger: 203  
 IATA-max. quantity - Passenger: 75 kg  
 IATA-packing instructions - Cargo: 203  
 IATA-max. quantity - Cargo: 150 kg

**Other applicable information (air transport)**

E0

**Safety Data Sheet**

according to WHMIS

**DINITROL HIGH PERFORMANCE WAX SPRAY**

Date (latest revision): 26.01.2026

Product code: 20180

Page 16 of 17

Passenger-LQ: Y203

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**Other applicable information**

Stowage Code:

SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

Segregation Code:

SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

**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): 2,5,6,7,8,9,11.

**Safety Data Sheet**

according to WHMIS

**DINITROL HIGH PERFORMANCE WAX SPRAY**

Date (latest revision): 26.01.2026

Product code: 20180

Page 17 of 17

**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.

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