

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

**DINITROL HIGH PERFORMANCE WAX**

Revision date: 02/25/2025

Product code: 20179

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

DINITROL HIGH PERFORMANCE WAX

**Recommended use of the chemical and restrictions on use**
**Use of the substance/mixture**

No further relevant information available.

**Uses advised against**

Corrosion inhibitor

**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:	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 phone number:** 3E Company Emergency +1-866-404-4230

**2. Hazard(s) identification**
**Classification of the chemical**
**29 CFR Part 1910.1200**

Flammable liquids: Flam. Liq. 3  
 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)

**Label elements**
**29 CFR Part 1910.1200**
**Signal word:** Warning

**Pictograms:**

**Hazard statements**

Flammable liquid and vapor  
 Causes serious eye irritation  
 May cause an allergic skin reaction  
 May cause drowsiness or dizziness

**Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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Keep container tightly closed.  
 Ground/bond container and receiving equipment.  
 Use explosion-proof electrical/ventilating/lighting equipment.  
 Use only non-sparking tools.  
 Take precautionary measures against static discharge.  
 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 Wash hands thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Contaminated work clothing must not be allowed out of the workplace.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 If on skin: Wash with plenty of water.  
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 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).  
 Wash contaminated clothing before reuse.  
 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.  
 In case of fire: Use Water spray jet, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>) to extinguish.  
 Keep container tightly closed.  
 Store in a well-ventilated place. Keep cool.  
 Store locked up.

**Hazards not otherwise classified**

No information available.

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

CAS No	Components	Quantity
	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	59 %
	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	24 %
9003-29-6	Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene)	24 %
61789-86-4	calcium sulfonate	9 %
154518-38-4	Phosphorsäure, C11-14-Isoalkylester, C13-reich	1 %

**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.

**After contact with skin**

Change contaminated clothing.

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After contact with skin, wash immediately with plenty of water and soap.

#### After contact with eyes

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

#### 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

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

##### Unsuitable extinguishing media

Full water jet

#### 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 uncontrolled discharge of product into the environment.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

#### 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.

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#### 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

If handled uncovered, arrangements with local exhaust ventilation have to be used.

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

#### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

#### 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

Keep container tightly closed. Keep away from heat.

## 8. Exposure controls/personal protection

### Control parameters

### 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):

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

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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

**9. Physical and chemical properties**
**Information on basic physical and chemical properties**

Physical state:	Liquid
Color:	whitish transparent
Odor:	characteristic
Odour threshold:	not determined

**Test method**

Melting point/freezing point:	not determined	
Boiling point or initial boiling point and boiling range:	154 - 193 °C	
Flammability:	not applicable	
Lower explosion limits:	0,6 vol. %	
Upper explosion limits:	7 vol. %	
Flash point:	36 °C	DIN 53213
Auto-ignition temperature:	> 200 °C	
Decomposition temperature:	not applicable	
pH-Value:	The study does not need to be conducted because the substance is known to be insoluble in water.	
Viscosity / kinematic:	not determined	
Water solubility:	not applicable	
Solubility in other solvents	not determined	
Partition coefficient n-octanol/water:	not determined	
Vapor pressure:	3 hPa	
(at 20 °C)		
Vapor pressure:	13 hPa	
(at 50 °C)		
Density (at 20 °C):	0,84 - 0,88 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
Sustained combustibility:	No data available
Oxidizing properties	not determined

**Other safety characteristics**

Solvent content:	59 %
Solid content:	42 - 45 %
Softening point:	not determined

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Viscosity / dynamic:  
(at 20 °C)

360 mPa·s

**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**

Carbon monoxide

**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 calculated**

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

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CAS No	Components				
	Exposure route	Dose	Species	Source	Method
	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics				
	oral	LD50 > 5000 mg/kg	Rat		
	dermal	LD50 >3000 mg/kg	Rat		
	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics				
	oral	LD50 4951 mg/kg	Rat		
	dermal	LD50 5000 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 4951 mg/l	Rat		
9003-29-6	Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene)				
	oral	LD50 2000 mg/kg	Rat		
61789-86-4	calcium sulfonate				
	oral	LD50 5000 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rat		
154518-38-4	Phosphorsäure, C11-14-Isoalkylester, C13-reich				
	oral	LD50 > 2000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		

**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.

**Specific target organ toxicity (STOT) - single exposure**

 May cause drowsiness or dizziness (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics;  
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics)

**Specific target organ toxicity (STOT) - repeated exposure**

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

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): No ingredient of this mixture is listed.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

**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.

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**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**

This material and its container must be disposed of as hazardous waste.

**Contaminated packaging**

Dispose of waste according to applicable legislation.

**14. Transport information**
**U.S. DOT 49 CFR 172.101**
**UN number or ID number:**

UN 1139

**Proper shipping name:**

COATING SOLUTION

**Transport hazard class(es):**

3

**Packing group:**

III

Hazard label:

3


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

UN 1139

**UN proper shipping name:**

coating solution

**Transport hazard class(es):**

3

**Packing group:**

III

Marine pollutant:

no

Limited quantity:

5L

EmS:

F-E,S-E

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

**UN number or ID number:** UN 1139  
**UN proper shipping name:** coating solution  
**Transport hazard class(es):** 3  
**Packing group:** III

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**Special precautions for user**

Warning : Flammable liquids

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

not applicable

**Other applicable information**

Transport classification ADR/IMDG is based on packaging >30ltr(IMDG), >450ltr(ADR).  
 For other packaging units different classification can apply.

**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:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (-): Fire hazard, Immediate (acute) health hazard  
 Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (-): Fire hazard, Immediate (acute) health hazard  
 Butene, homopolymer (products derived from either/or But-1-ene/But-2-ene) (9003-29-6): Immediate (acute) health hazard  
 calcium sulfonate (61789-86-4): Immediate (acute) health hazard  
 Phosphorsäure, C11-14-Isoalkylester, C13-reich (154518-38-4): Immediate (acute) health hazard

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

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Directive 2004/42/EC on VOC in paints and varnishes: 59,01 %  
 508,1 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**
**Changes**

Revision date: 02/25/2025  
 Revision No: 1,4

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

**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

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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.)*