

**DINITROL HIGH PERFORMANCE WAX BLACK**

Date (latest revision): 09.03.2026

Product code: 20173

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**1. Identification**

**Product identifier**

DINITROL HIGH PERFORMANCE WAX BLACK

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

**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	
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**

**Classification of the substance or mixture**

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

Eye Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

**Label elements**

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

**Signal word:** Warning

**Pictograms:**



**Hazard statements**

H319	Causes serious eye irritation.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains calcium sulfonate. May produce an allergic reaction.

**Precautionary statements**

P264	Wash water thoroughly after handling.
P280	Wear protective gloves and eye protection/face protection.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

**Special labelling**

Restricted to professional users.

**Labelling of packages where the contents do not exceed 125 ml**
**Signal word:** Warning

**Pictograms:**

**Other hazards**

No information available.

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

CAS No	Chemical name	Index No	REACH No	Quantity
	EC No			
	Classification (Regulation (EC) No 1272/2008)			
-	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics			45 - < 50 %
	918-481-9		01-2119457273-39	
	Asp. Tox. 1; H304			
61789-86-4	calcium sulfonate			5 - < 10 %
	263-093-9		01-2119488992-18	
	Skin Sens. 1B; H317			
	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics			5 - < 10 %
	919-857-5		01-2119463258-33	
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1; H226 H336 H304			
154518-38-4	Phosphorsäure, C11-14-Isoalkylester, C13-reich			1 - < 5 %
	800-484-0		01-2119976356-25	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 2; H315 H318 H411			
68526-86-3	Alcohols, (C=11-14)-iso-, (C=13)-rich			< 1 %
	271-235-6		01-2119454259-32	
	Skin Irrit. 2, Aquatic Acute 1, Aquatic Chronic 2; H315 H400 H411			

Full text of H statements: see section 16.

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

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
-	918-481-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	45 - < 50 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
61789-86-4	263-093-9	calcium sulfonate	5 - < 10 %
		dermal: LD50 = 4000 - 5000 mg/kg; oral: LD50 = 16000 mg/kg Skin Sens. 1B; H317: >= 10 - 100	
	919-857-5	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	5 - < 10 %
		inhalation: LC50 = > 5000 mg/l (dusts or mists); dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
154518-38-4	800-484-0	Phosphorsäure, C11-14-Isoalkylester, C13-reich	1 - < 5 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = > 2000 mg/kg	
68526-86-3	271-235-6	Alcohols, (C=11-14)-iso-, (C=13)-rich	< 1 %
		dermal: LD50 = > 2600 mg/kg; oral: LD50 = > 2000 mg/kg	

**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.  
 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, 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 (CO2) Extinguishing powder Water spray jet alcohol resistant foam

**Unsuitable extinguishing media**

Full water jet

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**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**

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.

**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**

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.

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**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.

**Specific end use(s)**

No further relevant information available.

**8. Exposure controls/Personal protection**

**Control parameters**

**DNEL/DMEL values**

CAS No	Chemical name	Exposure route	Effect	Value
61789-86-4	calcium sulfonate			
Worker DNEL, long-term		dermal	systemic	3,33 mg/kg bw/day
Worker DNEL, long-term		dermal	local	1,03 mg/cm <sup>2</sup>
Consumer DNEL, long-term		inhalation	systemic	2,9 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	1,667 mg/kg bw/day
Consumer DNEL, long-term		dermal	local	0,513 mg/cm <sup>2</sup>
Consumer DNEL, long-term		oral	systemic	0,8333 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	11,75 mg/m <sup>3</sup>

**PNEC values**

CAS No	Chemical name	Value
61789-86-4	calcium sulfonate	
Freshwater		1 mg/l
Marine water		1 mg/l
Freshwater sediment		226000000 mg/kg
Marine sediment		226000000 mg/kg
Secondary poisoning		16667 mg/kg
Micro-organisms in sewage treatment plants (STP)		1000 mg/l
Soil		271000000 mg/kg

**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 (DIN EN 166)

**Hand protection**

Tested protective gloves must be worn (EN ISO 374):  
 NBR (Nitrile rubber) - (> = 0,12 mm), 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.  
 gas filtering equipment (EN 141)., Filter material/medium: A

**9. Physical and chemical properties**

Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	black
Odour:	characteristic
Odour threshold:	not determined

	<b>Test method</b>
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	145 - 200 °C
Flammability:	not applicable
Lower explosive limits:	0,6 vol. %
Upper explosive limits:	6 vol. %
Flash point:	65 °C
Auto-ignition temperature:	> 200 °C
Decomposition temperature:	not determined
pH-Value:	not determined
Viscosity / kinematic:	not determined
Water solubility:	Immiscible
Solubility in other solvents	
not determined	
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	0,5 hPa
(at 20 °C)	
Density (at 20 °C):	0,84 - 0,88 g/cm <sup>3</sup>
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

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Oxidizing properties  
not determined

**Other safety characteristics**

Solvent content:	53,7 %
Solid content:	42 - 45 %
Softening point:	not determined
Viscosity / dynamic: (at 20 °C)	370 mPa·s

**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**

**Information on toxicological effects**

**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

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CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
-	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics				
	oral	LD50 > 5000 mg/kg	Rat		
	dermal	LD50 > 5000 mg/kg	Rabbit		
61789-86-4	calcium sulfonate				
	oral	LD50 16000 mg/kg	Rat		
	dermal	LD50 4000 - 5000 mg/kg	Rabbit		
	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		
154518-38-4	Phosphorsäure, C11-14-Isoalkylester, C13-reich				
	oral	LD50 > 2000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		
68526-86-3	Alcohols, (C=11-14)-iso-, (C=13)-rich				
	oral	LD50 > 2000 mg/kg	Rat		
	dermal	LD50 > 2600 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.

Repeated exposure may cause skin dryness or cracking.

**Sensitizing effects**

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

Contains calcium sulfonate. 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.

**Information on likely routes of exposure**

No information available.

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**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**

**Ecotoxicity**

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

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
-	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics					
	Acute fish toxicity	LC50 > 1000 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		

**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.

**Results of PBT and vPvB assessment**

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

**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**

**Land transport (ADR/RID)**

**UN number or ID number:**

No dangerous good in sense of this transport regulation.

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<b><u>United Nations proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>Packing group:</u></b>	No dangerous good in sense of this transport regulation.
<b>Inland waterways transport (ADN)</b>	
<b><u>UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>United Nations proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>Packing group:</u></b>	No dangerous good in sense of this transport regulation.
<b>Marine transport (IMDG)</b>	
<b><u>UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>United Nations proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>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>UN number or ID number:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>United Nations proper shipping name:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>Transport hazard class(es):</u></b>	No dangerous good in sense of this transport regulation.
<b><u>Packing group:</u></b>	No dangerous good in sense of this transport regulation.
<b><u>Environmental hazards</u></b>	
ENVIRONMENTALLY HAZARDOUS:	No
<b><u>Special precautions for user</u></b>	
not applicable	
<b><u>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</u></b>	
not applicable	
<b>Other applicable information</b>	
Transport classification ADR/IMGD is based on packaging >30ltr(IMDG), >450ltr(ADR). For other packaging units different classification can apply.	

**15. Regulatory information**

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

**EU Regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 40, Entry 75

Directive 2004/42/EC on VOC in	53,73 %
paints and varnishes:	462,0 g/l

**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 employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.
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Water hazard class (D):	1 - slightly hazardous to water
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**Additional information**

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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

**Chemical Safety Assessment**

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

**16. Other information**

**Changes**

This data sheet contains changes from the previous version in section(s): 2,9,11,15,16.

**Abbreviations and acronyms**

- Flam. Liq. 3: Flammable liquids
- Asp. Tox. 1: Aspiration hazard
- Skin Irrit. 2: Skin irritation
- Eye Dam. 1: Serious eye damage
- Eye Irrit. 2: Eye irritation
- Skin Sens. 1B: Skin sensitization
- STOT SE 3: Specific target organ toxicity - single exposure
- Aquatic Acute 1: Acute aquatic hazard
- Aquatic Chronic 2: 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%

**Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008**

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method

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

- H226 Flammable liquid and vapour.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- EUH208 Contains calcium sulfonate. May produce an allergic reaction.

**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.

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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.)*