

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DINITROL HIGH PERFORMANCE WAX SPRAY

Revision date: 02/13/2024

Product code: 20180

Page 1 of 10

1. Identification

Product identifier

DINITROL HIGH PERFORMANCE WAX SPRAY

Recommended use of the chemical and restrictions on use

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
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

Flammable aerosols: Flam. Aerosol 1
Gases under pressure: Compressed gas
Aspiration hazard: Asp. Tox. 1
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: Danger

Pictograms:



Hazard statements

Extremely flammable aerosol
Contains gas under pressure; may explode if heated
Causes serious eye irritation
May cause an allergic skin reaction

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DINITROL HIGH PERFORMANCE WAX SPRAY

Revision date: 02/13/2024

Product code: 20180

Page 2 of 10

May cause drowsiness or dizziness

May be fatal if swallowed and enters airways

Precautionary statements

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

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

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 swallowed: Immediately call a poison center/doctor.

If on skin: Wash with plenty of water.

Specific treatment (see on this label).

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.

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.

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.

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	45 %
106-97-8	butane	11 %
74-98-6	propane	11 %
	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	9.9 %
109-66-0	pentane	9.9 %
61789-86-4	calcium sulfonate	2.9 %

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.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DINITROL HIGH PERFORMANCE WAX SPRAY

Revision date: 02/13/2024

Product code: 20180

Page 3 of 10

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.

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

Unsuitable extinguishing media

High power 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**

Wear personal protection equipment. 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.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DINITROL HIGH PERFORMANCE WAX SPRAY

Revision date: 02/13/2024

Product code: 20180

Page 4 of 10

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**

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.

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**

DINITROL HIGH PERFORMANCE WAX SPRAY

Revision date: 02/13/2024

Product code: 20180

Page 5 of 10

Exposure limits

CAS No	Substance	ppm	mg/m ³	f/cc	Category	Origin
75-28-5	Butane: isobutane	1000			STEL (15 min)	ACGIH-2023
106-97-8	Butane: n-butane	1000			STEL (15 min)	ACGIH-2023
75-28-5	Isobutane	800	1900		TWA (8 h)	REL
106-97-8	n-Butane	800	1900		TWA (8 h)	REL
109-66-0	n-Pentane	120	350		TWA (8 h)	REL
		C 610	C 1800		15 min	REL
109-66-0	Pentane: n-pentane	1000			TWA (8 h)	ACGIH-2023
109-66-0	Pentane	1000	2950		TWA (8 h)	PEL
74-98-6	Propane	1000	1800		TWA (8 h)	PEL
		1000	1800		TWA (8 h)	REL
		-	-		Asphyxiant	ACGIH-2023

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

Recommended glove articles :

FKM (fluoro rubber) penetration time (maximum wearing period): 480 min.

NBR (Nitrile rubber) penetration time (maximum wearing period): 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/X

9. Physical and chemical properties

Information on basic physical and chemical properties

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

DINITROL HIGH PERFORMANCE WAX SPRAY

Revision date: 02/13/2024

Product code: 20180

Page 6 of 10

Test method

Melting point/freezing point:	not determined	
Boiling point or initial boiling point and boiling range:	-44,5 °C	
Flammability:	not applicable	
Lower explosion limits:	0,6 vol. %	
Upper explosion limits:	10,9 vol. %	
Flash point:	-97 °C	DIN 53213
Auto-ignition temperature:	460 °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	
Vapor pressure:	8300 hPa	
(at 20 °C)		
Vapor pressure:	13 hPa	
(at 50 °C)		
Density (at 20 °C):	0,72 g/cm ³	DIN 51757
Relative vapour density:	not determined	

Other information

Information with regard to physical hazard classes

Explosive properties	not determined	
Sustaining combustion:	No data available	
Self-ignition temperature		
Solid:	not applicable	
Gas:	not applicable	
Oxidizing properties		
not determined		

Other safety characteristics

Evaporation rate:	not determined	
Solvent content:	77,5 %	
Solid content:	24,6 %	
Viscosity / dynamic:	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

DINITROL HIGH PERFORMANCE WAX SPRAY

Revision date: 02/13/2024

Product code: 20180

Page 7 of 10

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) 4,545 mg/l

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		
106-97-8	butane				
	inhalation vapour	ATE 3 mg/l			
	inhalation dust/mist	ATE 0,5 mg/l			
	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		
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 5000 mg/kg	Rat		
	dermal	LD50 > 2000 mg/kg	Rat		

Irritation and corrosivity

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

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

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DINITROL HIGH PERFORMANCE WAX SPRAY

Revision date: 02/13/2024

Product code: 20180

Page 8 of 10

Specific target organ toxicity (STOT) - single exposure

May cause drowsiness or dizziness (Hydrocarbons, C9-C11, 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

May be fatal if swallowed and enters airways

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

No further relevant information available.

Bioaccumulative potential

No further relevant information available.

Mobility in soil

No further relevant information available.

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

U.S. DOT 49 CFR 172.101

UN number or ID number:

UN 1950

Proper shipping name:

AEROSOLS

Transport hazard class(es):

2.1

Hazard label:

2.1



Marine transport (IMDG)

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DINITROL HIGH PERFORMANCE WAX SPRAY

Revision date: 02/13/2024

Product code: 20180

Page 9 of 10

UN number or ID number: UN 1950
UN 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
UN 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
 Passenger-LQ: Y203

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

Warning: Gases under pressure

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

not applicable

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

U.S. Regulations

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DINITROL HIGH PERFORMANCE WAX SPRAY

Revision date: 02/13/2024

Product code: 20180

Page 10 of 10

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

Butane (106-97-8): Fire hazard, Sudden release of pressure, Immediate (acute) health hazard

Propane (74-98-6): Fire hazard, Sudden release of pressure

Isobutane (75-28-5): Fire hazard, Sudden release of pressure

Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics (-): Fire hazard, Immediate (acute) health hazard

Pentane (109-66-0): Fire hazard, Immediate (acute) health hazard

calcium sulfonate (61789-86-4): Immediate (acute) health hazard

Clean Air Act Section 112(r):

Butane (106-97-8): Threshold quantities = 10,000 lbs.

Propane (74-98-6): Threshold quantities = 10,000 lbs.

Isobutane (75-28-5): Threshold quantities = 10,000 lbs.

Pentane (109-66-0): Threshold quantities = 10,000 lbs.

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 75,42 %

paints and varnishes: 540,0 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: 02/13/2024

Revision No: 1,3

This data sheet contains changes from the previous version in section(s): 2,9,12.

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%

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.)