

DINITROL 3125 HS

Date (latest revision): 16.01.2026

Product code: 21661

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1. Identification
Product identifier

DINITROL 3125 HS

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
Classification of the substance or mixture
Regulation (EC) No 1272/2008

 Flam. Liq. 3; H226
 STOT SE 3; H336

Full text of hazard statements: see SECTION 16.

Label elements
Regulation (EC) No 1272/2008
Hazard components for labelling

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Signal word: Warning

Pictograms:

Hazard statements

H226	Flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

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Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P243 Take action to prevent static discharges.
- P280 Wear protective gloves and eye protection/face protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

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	Quantity
	EC No	Index No
	REACH No	
	Classification (Regulation (EC) No 1272/2008)	
	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	45 - < 50 %
	919-857-5	01-2119463258-33
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1; H226 H336 H304 EUH066	
	barium bis (di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)	1 - < 5 %
	939-718-2	01-2119980986-14
	Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H332 H302 H315	

Full text of H 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	
	919-857-5	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	45 - < 50 %
		inhalation: LC50 = > 5000 mg/l (vapours); dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
	939-718-2	barium bis (di C8-C10, branched, C9 rich, alkylnaphthalenesulphonate)	1 - < 5 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: LD50 = 500 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

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General information

If unconscious but breathing normally, place in recovery position and seek medical advice.
 Never give anything by mouth to an unconscious person or a person with cramps.
 In all cases of doubt, or when symptoms persist, seek medical advice.

After inhalation

Remove casualty to fresh air and keep warm and at rest.

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, whether acute or delayed

No further relevant information available.

Indication of immediate medical attention and special treatment needed

No information available.

5. Fire-fighting measures
Extinguishing media
Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO₂), Extinguishing powder, Water fog.

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the hazardous product

Hazardous decomposition products: Danger of serious damage to health by prolonged exposure.
 Do not inhale explosion and combustion gases. Use appropriate respiratory protection.

Special protective equipment and precautions for fire-fighters

Use water spray jet to protect personnel and to cool endangered containers.

Additional information

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.

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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.

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

- Take precautionary measures against static discharges.
- Keep away from sources of ignition - No smoking.
- Vapours are heavier than air and will spread at floor level.
- Vapours may form explosive mixtures with air.

Advice on general occupational hygiene

- Keep away from food, drink and animal feedingstuffs.
- When using do not eat or drink.
- Wash hands before breaks and after work.
- Avoid contact with skin and eyes.
- 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.
- Keep container dry.
- Keep away from heat. Protect from direct sunlight.

Hints on joint storage

No further relevant information available.

Further information on storage conditions

Keep container tightly closed.

Specific end use(s)

Anti-corrosive coating

8. Exposure controls/Personal protection

Control parameters

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DNEL/DMEL values

CAS No	Chemical name		
DNEL type	Exposure route	Effect	Value
	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Consumer DNEL, long-term	oral	systemic	125 mg/kg bw/day
Worker DNEL, long-term	dermal	systemic	208 mg/kg bw/day
Consumer DNEL, long-term	dermal	systemic	125 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	871 mg/m ³
Consumer DNEL, long-term	inhalation	systemic	185 mg/m ³

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

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:	beige
Odour:	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:	Flammable liquid and vapour.

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Lower explosive limits:	0,7 vol. %	
Upper explosive limits:	6 vol. %	
Flash point:	36 °C	DIN 53213
Auto-ignition temperature:	> 200 °C	
Decomposition temperature:	not determined	
pH-Value:	The study does not need to be conducted because the substance is known to be insoluble in water.	
	practically insoluble	
Water solubility:		
Solubility in other solvents:		
	not determined	
Partition coefficient n-octanol/water:	not determined	
Vapour pressure:	3 hPa	
(at 20 °C)		
Vapour pressure:	13 hPa	
(at 50 °C)		
Density (at 20 °C):	0,96 - 1,0 g/cm ³	DIN 51757
Relative vapour density:	not determined	

Other information

Information with regard to physical hazard classes

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

Other safety characteristics

Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	28,1 %
Solid content:	66,0 - 70,0 %
Viscosity / dynamic:	not determined
Flow time:	65 - 75 s
(at 25 °C)	4 DIN EN ISO 2431

Further Information

No information available.

10. Stability and reactivity

Reactivity

No hazardous reaction when handled and stored according to provisions.

Chemical stability

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions

No known hazardous reactions.

Conditions to avoid

Keep away from heat.

Incompatible materials

No information available.

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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 tested

	Dose	Species	Source
LD50, oral	15688 mg/kg		
LC50, inhalation (vapour) (4 h)	47,1 mg/l		

ATEmix calculated

ATE (dermal) > 2000 mg/kg; ATE (inhalation dust/mist) > 12,5 mg/l

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 (4 h) vapour	LC50 > 5000 mg/l	Rat		
	barium bis (di C8-C10, branched, C9 rich, alkyl-naphthalenesulphonate)				
	oral	LD50 500 mg/kg			
	inhalation vapour	ATE 11 mg/l			
	inhalation dust/mist	ATE 1,5 mg/l			

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.

Repeated exposure may cause skin dryness or cracking.

Sensitizing effects

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

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, <2% aromatics)

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 other hazards

Endocrine disrupting properties

Endocrine disrupting potential No information available.

Further information

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

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12. Ecological information
Ecotoxicity

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

Persistence and degradability

There are no data available on the mixture itself.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics			
		80%		
	Readily biodegradable (according to OECD criteria).			

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 information available.

Further information

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

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:

List of Wastes Code - residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

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.

14. Transport information
Land transport (ADR/RID)
UN number or ID number:

UN 1139

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United Nations proper shipping name: COATING SOLUTION

Transport hazard class(es): 3

Packing group: III

Hazard label: 3



Classification Code: F1

Limited quantity: 5 L

Excepted quantity: E1

Transport category: 3

Hazard No: 30

Tunnel restriction code: D/E

Inland waterways transport (ADN)

UN number or ID number: UN 1139

United Nations proper shipping name: Coating solution

Transport hazard class(es): 3

Packing group: III

Hazard label: 3



Classification Code: F1

Limited quantity: 5 L

Excepted quantity: E1

Marine transport (IMDG)

UN number or ID number: UN 1139

United Nations proper shipping name: COATING SOLUTION

Transport hazard class(es): 3

Packing group: III

Hazard label: 3



Marine pollutant: no

Special Provisions: 955

Limited quantity: 5 L

Excepted quantity: E1

EmS: F-E, S-E

Air transport (ICAO-TI/IATA-DGR)

UN number or ID number: UN 1139

United Nations proper shipping name: COATING SOLUTION

Transport hazard class(es): 3

Packing group: III

Hazard label: 3

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Special Provisions:	A3	
Limited quantity Passenger:	10 L	
Passenger LQ:	Y344	
Excepted quantity:	E1	
IATA-packing instructions - Passenger:		355
IATA-max. quantity - Passenger:		60 L
IATA-packing instructions - Cargo:		366
IATA-max. quantity - Cargo:		220 L

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

Warning: Flammable liquids

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

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 40, Entry 75

Directive 2004/42/EC on VOC in paints and varnishes:	28,13 %
Information according to Directive 2012/18/EU (SEVESO III):	275,6 g/l
	P5c FLAMMABLE LIQUIDS

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.

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

Chemical Safety Assessment

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

16. Other information

Changes

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

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Abbreviations and acronyms

Flam. Liq. 3: Flammable liquids
 Acute Tox. 4: Acute toxicity
 Asp. Tox. 1: Aspiration hazard
 Skin Irrit. 2: Skin irritation
 STOT SE 3: Specific target organ toxicity - single exposure
 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
Flam. Liq. 3; H226	On basis of test data
STOT SE 3; H336	Calculation method

Relevant H statements (number and full text)

H226 Flammable liquid and vapour.
 H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H332 Harmful if inhaled.
 H336 May cause drowsiness or dizziness.
 EUH066 Repeated exposure may cause skin dryness or cracking.

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.

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