

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DINITROL 958

Revision date: 16.10.2019

Product code: 5296USA

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1. Identification

Product identifier

DINITROL 958

Recommended use of the chemical and restrictions on use

Use of the substance/mixture

Anti-corrosive coating

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 9829 80
Responsible Department: msds@dinol.com

Telefax: +49 (0) 5281 9829 860

Supplier

Company name: DINOL U.S. Inc.
Street: 8520 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

Carcinogenicity: Carc. 2

Label elements

29 CFR Part 1910.1200

Signal word: Warning

Pictograms:



Hazard statements

Suspected of causing cancer

Precautionary statements

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
If exposed or concerned: Get medical advice/attention.
Store locked up.
This material and its container must be disposed of as hazardous waste.

Hazards not otherwise classified

No information available.

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

| CAS No | Components | Quantity |
|-----------|--------------|----------|
| 1333-86-4 | Carbon Black | < 1 % |

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 place in recovery position and seek medical advice.

After inhalation

Remove casualty to fresh air and keep warm and at rest.
In case of irregular breathing or respiratory arrest provide artificial respiration.

After contact with skin

Change contaminated clothing.
Wash with plenty of water/Soap.
Do not wash with: Solvent/Thinner.

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 information available.

Indication of any 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 chemical

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.
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

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Personal precautions, protective equipment and emergency procedures

Special danger of slipping by leaking/spilling product.
Ventilate affected area.

Environmental precautions

Do not allow to enter into surface water or drains.
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

Prevent spread over a wide area (e.g. by containment or oil barriers).
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

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

No special measures are necessary.

Advice on protection against fire and explosion

No special measures are necessary.

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

storage temperature: >0° - < 30°C

8. Exposure controls/personal protection

Control parameters

Exposure limits

| CAS No. | Substance | ppm | mg/m ³ | f/cc | Category | Origin |
|------------|---|--------------------------|-------------------|------|-----------|--------|
| 1333-86-4 | Carbon black (in presence of polycyclic aromatic hydrocarbons (PAHs)) (as PAHs) | - | 0.1 | | TWA (8 h) | REL |
| 1333-86-4 | Carbon black | - | 3.5 | | TWA (8 h) | PEL |
| 14807-96-6 | Talc (containing no asbestos and less than 1% quartz) (resp) | - | 2 | | TWA (8 h) | REL |
| 14807-96-6 | Talc (containing no asbestos) respirable dust | 706 mp/m ³ | - | | TWA (8 h) | PEL |

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.

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Protective and hygiene measures

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from food, drink and animal feedingstuffs.

When using do not eat or drink.

Eye/face protection

Eye glasses with side protection (DIN EN 166)

Hand protection

Tested protective gloves must be worn (DIN EN 374):

FKM (fluoro rubber), Breakthrough time (maximum wearing time): 480 min.

NBR (Nitrile rubber), Breakthrough time (maximum wearing 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

Protective clothing

Respiratory protection

Not required.

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|-----------------|----------------|
| Physical state: | liquid |
| Color: | black |
| Odor: | characteristic |

| | |
|-----------|---|
| pH-Value: | 9 |
|-----------|---|

Changes in the physical state

| | |
|-------------------------------|----------------|
| Melting point/freezing point: | not determined |
|-------------------------------|----------------|

| | |
|--|--------|
| Initial boiling point and boiling range: | 100 °C |
|--|--------|

| | | |
|--------------|----------------|-----------|
| Flash point: | not applicable | DIN 51755 |
|--------------|----------------|-----------|

Flammability

| | |
|--------|----------------|
| Solid: | not applicable |
|--------|----------------|

| | |
|------|----------------|
| Gas: | not applicable |
|------|----------------|

Explosive properties

not determined

| | |
|-------------------------|----------------|
| Lower explosion limits: | not determined |
|-------------------------|----------------|

| | |
|-------------------------|----------------|
| Upper explosion limits: | not determined |
|-------------------------|----------------|

| | |
|-----------------------|----------------|
| Ignition temperature: | not determined |
|-----------------------|----------------|

Auto-ignition temperature

| | |
|--------|----------------|
| Solid: | not applicable |
|--------|----------------|

| | |
|------|----------------|
| Gas: | not applicable |
|------|----------------|

| | |
|----------------------------|----------------|
| Decomposition temperature: | not determined |
|----------------------------|----------------|

Oxidizing properties

not determined

| | |
|-------------------------------|--------|
| Vapor pressure: (at 20 °C) | 23 hPa |
|-------------------------------|--------|

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Density (at 20 °C): 1,29 g/cm³ ISO 2811
 Water solubility: completely miscible
Solubility in other solvents
 not determined
 Partition coefficient: not determined
 Viscosity / dynamic: 5000 mPa·s
 (at 20 °C)
 Flow time: 4 DIN EN ISO 2431
 (at 20 °C)
 Vapor density: not determined
 Evaporation rate: not determined
 Solvent content: 1,4 %, water: 35,6 %

Other information

Solid content: 63,0 %
 No information available.

10. Stability and reactivity

Reactivity

No hazardous reaction when handled and stored according to provisions.

Chemical stability

Stability: Stable

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions

Hazardous reactions: May occur

No known hazardous reactions.

Conditions to avoid

No known hazardous reactions.

Incompatible materials

No 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.

| CAS No | Components | | | | |
|-----------|----------------|--------------------|---------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 1333-86-4 | Carbon Black | | | | |
| | oral | LD50 > 15400 mg/kg | Rat | GESTIS | |
| | dermal | LD50 > 3000 mg/kg | Rabbit | GESTIS | |

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Irritation and corrosivity

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

Sensitizing effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of causing cancer (Carbon Black)

Germ cell mutagenicity: 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

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

Specific target organ toxicity (STOT) - repeated exposure

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

Carcinogenicity (OSHA): None of the ingredients is listed.

Carcinogenicity (IARC): Talc not containing asbestos or asbestiform fibres (CAS 14807-96-6) is listed in group 3. Carbon black (CAS 1333-86-4) is listed in group 2B.

Carcinogenicity (NTP): None of the ingredients is listed.

Aspiration hazard

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

Further information

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

12. Ecological information**Ecotoxicity**

There are no data available on the mixture itself.

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.

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****Advice on disposal**

Dispose of waste according to applicable legislation. Do not mix with other wastes.

Contaminated packaging

Completely emptied packages can be recycled.

Remove according to the regulations.

14. Transport information**US DOT 49 CFR 172.101****Proper shipping name:**

Not a hazardous material with respect to these transport regulations.

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Marine transport (IMDG)

| | |
|------------------------------------|--|
| UN number: | No dangerous good in sense of this transport regulation. |
| UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| Packing group: | No dangerous good in sense of this transport regulation. |
| Marine pollutant: | no |

Air transport (ICAO-TI/IATA-DGR)

| | |
|------------------------------------|--|
| UN number: | No dangerous good in sense of this transport regulation. |
| UN proper shipping name: | No dangerous good in sense of this transport regulation. |
| Transport hazard class(es): | No dangerous good in sense of this transport regulation. |
| Packing group: | No dangerous good in sense of this transport regulation. |

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

15. Regulatory information

U.S. Regulations

National Inventory TSCA

All ingredients are listed.

National regulatory information

SARA Section 311/312 Hazards:

Carbon Black (1333-86-4): Delayed (chronic) health hazard

State Regulations

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

WARNING: This product can expose you to chemicals including Carbon black (airborne, unbound particles of respirable size) (cancer), which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. Other information

Hazardous Materials Information Label (HMIS)

| | |
|------------------|---|
| Health: | 0 |
| Flammability: | 0 |
| Physical Hazard: | 0 |

NFPA Hazard Ratings

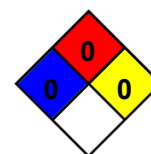
| | |
|----------------|---|
| Health: | 0 |
| Flammability: | 0 |
| Reactivity: | 0 |
| Unique Hazard: | |

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Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route



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