

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DINITROL VCI UNI O-40

Revision date: 11/21/2024

Product code: 80040

Page 1 of 8

1. Identification

Product identifier

DINITROL VCI UNI O-40

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

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2A

Label elements

29 CFR Part 1910.1200

Signal word: Warning

Pictograms:



Hazard statements

Causes skin irritation

Causes serious eye irritation

Precautionary statements

Wash hands thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DINITROL VCI UNI O-40

Revision date: 11/21/2024

Product code: 80040

Page 2 of 8

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients

Mixtures

Hazardous components

CAS No	Components	Quantity
	acid, ionic equilibrium with organic bases	2.5 %
	tert. alkanolamine, ionic equilibrium with acids	2.5 %
124-07-2	Caprylic Acid	1.5 %

Further Information

Full text of H statements: see section 16.

4. First-aid measures

Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.

After inhalation

Provide fresh air. In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

After contact with skin

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

After contact with eyes

In case of contact with eyes, rinse immediately thoroughly with plenty of edible oil and consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water.

Most important symptoms and effects, both acute and delayed

In case of skin irritation, consult a physician.

Indication of any immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

Full water jet

Specific hazards arising from the chemical

In case of fire may be liberated: Gases/vapors, harmful

Special protective equipment and precautions for fire-fighters

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

Additional information

Wear a self-contained breathing apparatus and chemical protective clothing.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DINITROL VCI UNI O-40

Revision date: 11/21/2024

Product code: 80040

Page 3 of 8

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures****General advice**

Wear personal protection equipment. Remove all sources of ignition.

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 (PPE): see section 8

Disposal: see section 13

7. Handling and storage**Precautions for safe handling****Advice on safe handling**

Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

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.

Further information on handling

Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Handle and open container with care.

Hints on joint storage

No information available.

Further information on storage conditions

No information available.

8. Exposure controls/personal protection**Control parameters**

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DINITROL VCI UNI O-40

Revision date: 11/21/2024

Product code: 80040

Page 4 of 8

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 (DIN 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.

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.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid
Color:	yellow
Odor:	characteristic
Odour threshold:	not applicable
Melting point/freezing point:	not applicable
Boiling point or initial boiling point and boiling range:	not determined
Flammability	
Solid/liquid:	not determined
Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Flash point:	120 °C
Auto-ignition temperature:	not applicable
Decomposition temperature:	not applicable
pH-Value:	not applicable
Viscosity / kinematic: (at 40 °C)	52 mm²/s
Water solubility:	not applicable
Solubility in other solvents	
not determined	
Partition coefficient n-octanol/water:	not determined
Vapor pressure:	not applicable
Density (at 15 °C):	0,91 g/cm³

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DINITROL VCI UNI O-40

Revision date: 11/21/2024

Product code: 80040

Page 5 of 8

Relative vapour density:

not determined

Particle characteristics:

not applicable

Other information

Information with regard to physical hazard classes

Explosive properties

not determined

Sustaining combustion:

No data available

Oxidizing properties

not determined

Other safety characteristics

Sublimation point:

not applicable

Softening point:

not applicable

Pour point:

not applicable

Further Information

No information available.

10. Stability and reactivity

Reactivity

This material is considered to be non-reactive under normal use conditions.

Chemical stability

Stability:

Stable

This material is considered to be non-reactive under normal use conditions.

Possibility of hazardous reactions

Hazardous reactions:

Will not occur

This material is considered to be non-reactive under normal use conditions.

Conditions to avoid

This material is considered to be non-reactive under normal use conditions.

Incompatible materials

strong alkalis Strong acid Oxidizing agent, strong

Hazardous decomposition products

Carbon monoxide Carbon dioxide

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

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DINITROL VCI UNI O-40

Revision date: 11/21/2024

Product code: 80040

Page 6 of 8

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
	acid, ionic equilibrium with organic bases				
	oral	LD50 10080 mg/kg	Rat		
	tert. alkanolamine, ionic equilibrium with acids				
	oral	LD50 1320 mg/kg	Rat		
	dermal	LD50 1100 mg/kg	Rabbit		
	inhalation vapour	ATE 3 mg/l			
	inhalation dust/mist	ATE 0,5 mg/l			
124-07-2	Caprylic Acid				
	oral	LD50 10080 mg/kg	Rat		
	dermal	LD50 >2001 mg/kg	Rabbit		

Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation

Serious eye damage/eye irritation: Causes serious eye irritation

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.

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.

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.

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

No further relevant information available.

Bioaccumulative potential

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DINITROL VCI UNI O-40

Revision date: 11/21/2024

Product code: 80040

Page 7 of 8

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

There are no data available on the mixture itself.

13. Disposal considerations

Waste treatment methods

Disposal recommendations

Dispose of waste according to applicable legislation.

Contaminated packaging

Dispose according to legislation.

14. Transport information

U.S. DOT 49 CFR 172.101

Proper shipping name:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

UN number or ID 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 or ID 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

Substance/product listed in the following inventories: TSCA

National regulatory information

SARA Section 311/312 Hazards:

acid, ionic equilibrium with organic bases (-): Immediate (acute) health hazard

tert. alkanolamine, ionic equilibrium with acids (-): Fire hazard, Immediate (acute) health hazard

Caprylic Acid (124-07-2): Immediate (acute) health hazard

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DINITROL VCI UNI O-40

Revision date: 11/21/2024

Product code: 80040

Page 8 of 8

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.

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: 11/21/2024

Revision No: 1,5

This data sheet contains changes from the previous version in section(s): 16.

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.)