

Printing date 24.03.2015

Version number 25

Revision: 16.12.2014

SECTION 1: Identification of the substance/mixture and of the company/undertaking
· 1.1 Product identifier
· Trade name: DINITROL 482 SPRAY

• 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.

· Application of the substance / the mixture Anticorrosion additive

 \cdot 1.3 Details of the supplier of the safety data sheet

• Manufacturer/Supplier: DINOL GmbH Pyrmonter Str. 76 D-32676 Lügde Tel: +49 5281 9829 80 Fax: +49 5281 9829 860 E-mail: msds@dinol.com

• Further information obtainable from: Research & Development

· 1.4 Emergency telephone number:

Giftnotruf Berlin +49(0)30 30686 790 Beratung in Deutsch und Englisch.

SECTION 2: Hazards identification

• 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008



Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

GHS07

•		
Eye Irrit. 2	H319	Causes serious eye irritation.
STOT SE 3	H336	May cause drowsiness or dizziness.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.
A quatia Chronia	UA12	Hammful to aquatic life with long lasting offects

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

F+; Extremely flammable

R12: Extremely flammable.

R52/53-66-67: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

· Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent. Warning! Pressurised container.

Has a narcotising effect.

• Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

(Contd. on page 2)

GB



Printing date 24.03.2015

Version number 25

Revision: 16.12.2014

(Contd. of page 1)

Trade name: DINITROL 482 SPRAY

• Hazard	pictograms
1100,00100	provogramos



- · Signal word Danger
- · Hazard-determining components of labelling:
- Naphtha (petroleum), hydrotreated light Methyl ethyl ketone Naphtha (petroleum), hydrotreated light
- Naphtha (petroleum), hydrotreated light

· Hazard statements

- H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P251 Pressurized container: Do not pierce or burn, even after use.
- P280 Wear protective gloves/protective clothing/eye protection.

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

P403+P233Store in a well-ventilated place. Keep container tightly closed.P405Store locked up.P410+P412Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.P501Dispose of contents/container in accordance with local/regional/national/international
regulations.

· Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Buildup of explosive mixtures possible without sufficient ventilation.

· 2.3 Other hazards

The petroleum naphtha / petroleum distillate / lubricating oil meet the requirements for not being classified as carcinogenic (<0,1% benzene alt<3% (w/w) DMSO extract (IP 346)).

- · Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterisation: Mixtures
- · Description: Mixture of substances listed below with additions.

· Dangerous components:

(Contd. on page 3)



Printing date 24.03.2015

Version number 25

Revision: 16.12.2014

Trade name: DINITROL 482 SPRAY

CAS: 64742-49-0 EC number: 920-750-0	Naphtha (petroleum), hydrotreated light 🗙 Xn R65; 📸 F R11; 🎇 N R51/53	ntd. of page 2 10-<25%
Reg.nr.: 01-2119473851-33-0001	R66-67 Flam. Liq. 2, H225; S Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336	
CAS: 78-93-3 EINECS: 201-159-0	Methyl ethyl ketone Xi R36; F R11 R66-67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	10-<25%
CAS: 74-98-6 EINECS: 200-827-9	Propane liquefied F + R12 Flam. Gas 1, H220; Press. Gas C, H280	10-<25%
CAS: 106-97-8 EINECS: 203-448-7	Butane, pure F + R12 Flam. Gas 1, H220; Press. Gas C, H280	10-<25%
CAS: 64742-49-0 EC number: 927-241-2 Reg.nr.: 01-2119471843-32	Naphtha (petroleum), hydrotreated light Xn R65 R10-52/53-66-67 Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336; Aquatic Chronic 3, H412	1-<5%
CAS: 64742-49-0 EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Naphtha (petroleum), hydrotreated light Xn R65; Xi R38; F R11; R77 R67 Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	1-<5%
CAS: 64742-95-6 EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Solvent naphtha (petroleum), light arom. Xn R65; Xi R37; № N R51/53 R10-66-67 Flam. Liq. 3, H226; & Asp. Tox. 1, H304; Aquatic Chronic 2, H411; ↑ STOT SE 3, H335-H336	1-<5%
CAS: 67-56-1 EINECS: 200-659-6	Methanol T R23/24/25-39/23/24/25; F R11 Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370 wording of the listed risk phrases refer to section 16.	<1%

• Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

• 4.1 Description of first aid measures

- After inhalation: Supply fresh air or oxygen; call for doctor.
- After skin contact: If skin irritation continues, consult a doctor.
- · After eye contact:
- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing:
- If symptoms persist consult doctor.

Do not induce vomiting; call for medical help immediately.

- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- · 4.3 Indication of any immediate medical attention and special treatment needed
- $No\ further\ relevant\ information\ available.$

(Contd. on page 4)

GB



Printing date 24.03.2015

Version number 25

Revision: 16.12.2014

Trade name: DINITROL 482 SPRAY

(Contd. of page 3)

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment: Mount respiratory protective device.
- · Additional information Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up: Ensure adequate ventilation. Absorb liquid components with liquid-binding material.
- 6.4 Reference to other sections
 See Section 7 for information on safe handling.
 See Section 8 for information on personal protection equipment.
 See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Use only in well ventilated areas.
- Information about fire and explosion protection: Do not spray onto a naked flame or any incandescent material. Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- *Requirements to be met by storerooms and receptacles:* Store in a cool location. Observe official regulations on storing packagings with pressurised containers.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
- Keep container tightly sealed. Do not seal receptacle gas tight. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

(Contd. on page 5)

GB

GB



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 24.03.2015

Version number 25

Revision: 16.12.2014

Trade name: DINITROL 482 SPRAY

8.1 Contro	l parameters	(Contd. of pa
	s with limit values that require monitoring at the	workplace:
78-93-3 M	ethyl ethyl ketone	
WEL Shor	t-term value: 899 mg/m³, 300 ppm	
	g-term value: 600 mg/m³, 200 ppm	
	BMGV	
	Butane, pure	
	t-term value: 1810 mg/m³, 750 ppm g-term value: 1450 mg/m³, 600 ppm	
	c (if more than 0.1% of buta-1.3-diene)	
67-56-1 M	ethanol	
WEL Shor	t-term value: 333 mg/m³, 250 ppm	
~	g-term value: 266 mg/m³, 200 ppm	
Sk		
DNELs		
64742-49-	0 Naphtha (petroleum), hydrotreated light	
Oral	Long-term - systemic effects, general population	
Dermal	Long-term - systemic effects, general population	
	Long-term - systemic effects, worker	773 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects, general population	
	Long-term - systemic effects, worker	2035 mg/m3 (Worker)
	0 Naphtha (petroleum), hydrotreated light	
Oral	Long-term - systemic effects, general population	
Dermal	Long-term - systemic effects, general population	
	Long-term - systemic effects, worker	300 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects, general population	
	Long-term - systemic effects, worker	1500 mg/m3 (Worker)
	0 Naphtha (petroleum), hydrotreated light	
Oral D	Long-term - systemic effects, general population	
Dermal	Long-term - systemic effects, general population	
T T T	Long-term - systemic effects, worker	773 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects, general population	
(17 12 05	Long-term - systemic effects, worker	2035 mg/m3 (Worker)
	6 Solvent naphtha (petroleum), light arom.	11 months have been (Commented Down lattice)
Oral Dermal	Long-term - systemic effects, general population Long-term - systemic effects, general population	
Dermai		
Inhalating	Long-term - systemic effects, worker	25 mg/kg bw/day (Worker)
67-56-1 M	Long-term - systemic effects, worker	150 mg/m3 (Worker)
07-30-1 M Oral		8 mathe builday (Conoral Dopulation)
Orai	Acute - systemic effects, general population	8 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, general population	8 mg/kg bw/day (General Population) 8 mg/kg (General population)
Dermai	Acute - systemic effects, general population	8 mg/kg (General population) 40 mg/kg bw/dgy (Worker)
	Acute - systemic effects, worker	40 mg/kg bw/day (Worker) 8 mg/kg bw/day (Canaral population)
	Long-term - systemic effects, general population	
Inhalative	Long-term - systemic effects, worker Acute - Local effects, worker	40 mg/kg bw/day (Worker) 260 mg/m3 (Worker)
тпанинve		-
	Acute - local effects, general population	50 mg/m3 (General Population) (Contd. on pa

GB



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 24.03.2015

Version number 25

Revision: 16.12.2014

Trade name: DINITROL 482 SPRAY

Acute - systemic effects, general populat	ion	(Contd. of page 5) 50 mg/m3 (General Population)
Acute - systemic effects, worker	1011	260 mg/m3 (Worker)
Long-term - local effects, worker Long-term - local effects, worker Long-term - systemic effects, general pop		50 mg/m3 (General Population)
		260 mg/m3 (Worker)
Long-term - systemic effects, general pop Long-term - systemic effects, worker	pulation	260 mg/m3 (Worker)
PNECs 67-56-1 Methanol		
	154	T ($x = 4$ and $z = 2C = 1$)
1 I V	Ŭ	L (not specified)
	_	/L (not specified)
		g/kg sed dw (not specified)
Aquatic compartment - water, intermittent releases		
Sewage treatment plant	Ŭ	L (not specified)
Terrestrial compartment - soil	23.5 mg	/kg dw (not specified)
Ingredients with biological limit values:		
78-93-3 Methyl ethyl ketone		
BMGV 70 µmol/L		
Medium: urine		
Sampling time: post shift Parameter: butan-2-one		
1 $u_1u_1u_1u_1u_1u_1u_2u_1u_1u_2u_1u_1u_1u_1u_1u_1u_1u_1u_1u_1u_1u_1u_1u$		
• Additional information: The lists valid during the n • 8.2 Exposure controls • Personal protective equipment: • General protective and hygienic measures: Wash hands before buschs and at the end of work	naking w	ere used as basis.
8.2 Exposure controls Personal protective equipment:	naking w	ere used as basis.
8.2 Exposure controls Personal protective equipment: General protective and hygienic measures: Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Respiratory protection:	naking w	ere used as basis.
8.2 Exposure controls Personal protective equipment: General protective and hygienic measures: Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Respiratory protection: Short term filter device:	naking w	ere used as basis.
8.2 Exposure controls Personal protective equipment: General protective and hygienic measures: Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Respiratory protection: Short term filter device: Filter AX	naking w	ere used as basis.
8.2 Exposure controls Personal protective equipment: General protective and hygienic measures: Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Respiratory protection: Short term filter device: \widetilde{V} Filter AX Protection of hands: \widetilde{V} Protective gloves Material of gloves The selection of the suitable gloves does not only de and varies from manufacturer to manufacturer. A resistance of the glove material can not be calculated application. Fluorocarbon rubber (Viton) Nitrile rubber Recommended thickness of the material: ≥ 0.12 mm Penetration time of glove material	epend on s the pro ed in adv	the material, but also on further marks of quality oduct is a preparation of several substances, the
8.2 Exposure controls Personal protective equipment: General protective and hygienic measures: Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Respiratory protection: Short term filter device: Filter AX Protection of hands: Protective gloves Material of gloves The selection of the suitable gloves does not only de and varies from manufacturer to manufacturer. A resistance of the glove material can not be calculate application. Fluorocarbon rubber (Viton) Nitrile rubber Recommended thickness of the material: ≥ 0.12 mm	epend on s the pro ed in adv	the material, but also on further marks of quality oduct is a preparation of several substances, the vance and has therefore to be checked prior to the



Printing date 24.03.2015

Version number 25

Revision: 16.12.2014

(Contd. of page 6)

Trade name: DINITROL 482 SPRAY

· Eye protection:



*

Tightly sealed goggles

SECTION 9: Physical and chemical properties

General Information	
Appearance:	
Form:	Aerosol
Colour:	Black Characteristic
Odour: Odour threshold:	<i>Characteristic</i> Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	-44 °C
Flash point:	< -20 °C (DIN 53213)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	> 200 °C
Decomposition temperature:	Not determined.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapou mixtures are possible.
Eurologion limita.	
Explosion limits: Lower:	0.6 Vol %
Upper:	11.5 Vol %
Vapour pressure At 20 °C:	4500 hPa
Density At 20 °C:	0.812 g/cm ³ (DIN 51757)
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	Not upplicuble.
water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/wat	er): Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	65.1 %
Water:	0.1 %
Solids content:	34.8 % (DIN 53216)
9.2 Other information	No further relevant information available.
VOC (EU):	65.14 %
<i>VOC (EU):</i>	528.9 g/l



Printing date 24.03.2015

Version number 25

Revision: 16.12.2014

Trade name: DINITROL 482 SPRAY

· VOCV:

65.14 %

(Contd. of page 7)

SECTION 10: Stability and reactivity

· 10.1 Reactivity

- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.

· 10.4 Conditions to avoid No further relevant information available.

- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: Carbon monoxide

SECTION 11:	Toxicologica	l information
	100000500	

· 11.1 Information on toxicological effects

· Acute toxicity:

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

(_~
Dermal	LD50	48860 mg/kg
In lead atime	1 C50/4 h	211

maanve	LCJ0/4 II	511 118,1
64742-49-	0 Naphtha	(petroleum), hydrotreated light
Oral	LD50	>5000 mg/kg (RAT)
Dermal	LD50	>2800 mg/kg (RABBIT)
Inhalative	LC 50	>23.3 mg/l (RAT)
78-93-3 M	ethyl ethyl	ketone
Oral	LD50	3300 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rbt)
106-97-8 I	Butane, pu	re
Inhalative	LC50/4 h	658 mg/l (rat)
64742-49-	0 Naphtha	(petroleum), hydrotreated light
Oral	LD50	>5000 mg/kg (RAT)
Dermal	LD50	>5000 mg/kg (RABBIT)
Inhalative	LC50/4 h	4951 mg/l (RAT)
64742-49-	0 Naphtha	(petroleum), hydrotreated light
Oral	LD50	>5840 mg/kg (RAT)
Dermal	LD50	>2920 mg/kg (RABBIT)
Inhalative	LC50/4 h	>25.2 mg/l (RAT)
64742-95-	6 Solvent r	haphtha (petroleum), light arom.
Dermal	LD50	>2000 mg/kg (RABBIT)
67-56-1 M	ethanol	
Oral	LD50	13000 mg/kg (rat)
· Primary ir	ritant effe	nt.

Primary irritant effect:

• on the skin: Prolonged or repeated contact with skin may cause slight irritation and/or reddening.

• on the eye: Irritation to eyes possible after a long exposure time.

· Sensitisation: Sensitising effect by skin contact is possible by prolonged exposure.

· Additional toxicological information: No further relevant information available.

(Contd. on page 9)

GB



Printing date 24.03.2015

Safety data sheet according to 1907/2006/EC, Article 31

Version number 25

Revision: 16.12.2014

Trade name: DINITROL 482 SPRAY

• Ingestion: Risk of chemical pneumonia if the product reaches the lungs at vomiting or similar.

(Contd. of page 8)

SECTION 12: Ecological information

· 12.1 Toxicity

• Aquatic toxicity:

64742-49-0 Naphtha (petroleum), hydrotreated light

EL50/48 h 3 mg/l (DAPHNIA MAGNA)

EL50/72 h 10-30 mg/l (SELENASTRUM CAPRICORNUTUM)

LL50/96 h >13.4 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)

64742-49-0 Naphtha (petroleum), hydrotreated light

EC50/48 h 10 mg/l (PHAEOPHYTA)

EL50/48 h 3 mg/l (DAPHNIA MAGNA)

EL50/72 h 30-100 mg/l (SELENASTRUM CAPRICORNUTUM)

LL50/96 h 11.4 mg/l (SALMO GAIRDNERI / ONCORHYNCHUS MYKISS)

· 12.2 Persistence and degradability No further relevant information available.

· 12.3 Bioaccumulative potential No further relevant information available.

· 12.4 Mobility in soil No further relevant information available.

· Ecotoxical effects:

- · Remark: Harmful to fish
- Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

- · 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Dispose of as dangerous waste.

· European waste catalogue

08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

08 01 00 wastes from MFSU and removal of paint and varnish

08 01 11* waste paint and varnish containing organic solvents or other dangerous substances

· Uncleaned packaging:

· Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN-Number · ADR, IMDG, IATA

UN1950

(Contd. on page 10)



Printing date 24.03.2015

Version number 25

Revision: 16.12.2014

Trade name: DINITROL 482 SPRAY

	(Contd. of pa
14.2 UN proper shipping name	
ADR	1950 AEROSOLS
IMDG	AEROSOLS
IATA	AEROSOLS, flammable
14.3 Transport hazard class(es)	
ADR	
Class	2 5F Gases.
Label	2.1
IMDG, IATA	
2	
Class	2.1
Label	2.1
14.4 Packing group	
ADR, IMDG, IATA	Void
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Warning: Gases.
Danger code (Kemler):	-
EMS Number:	F-D,S-U
14.7 Transport in bulk according to Anne	ex II of
MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0
The second se	Not permitted as Excepted Quantity
Transport category	2
Tunnel restriction code	D
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
UN ''Model Regulation'':	UN1950, AEROSOLS, 2.1

SECTION 15: Regulatory information

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

· Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

(Contd. on page 11)

GB –



Printing date 24.03.2015

Version number 25

Revision: 16.12.2014

(Contd. of page 10)

Trade name: DINITROL 482 SPRAY

· Hazard pictograms



· Signal word Danger

· Hazard-determining components of labelling:

Naphtha (petroleum), hydrotreated light Methyl ethyl ketone Naphtha (petroleum), hydrotreated light Naphtha (petroleum), hydrotreated light

· Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P210	Keep away	from heat/s	parks/open	flames/hot s	urfaces	No smoking.

- P251 Pressurized container: Do not pierce or burn, even after use.
- P280 Wear protective gloves/protective clothing/eye protection.

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

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container in accordance with local/regional/national/international
	regulations.

· National regulations:

• Technical instructions (air):

Class	Share in %
Ι	0.6
NK	64.5

• Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H301 Toxic if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H370 Causes damage to organs.

(Contd. on page 12)

⁻ GB



Version number 25

Revision: 16.12.2014

Printing date 24.03.2015

Trade name: DINITROL 482 SPRAY

11/11	(Contd. of page 11)
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
R10	Flammable.
R11	Highly flammable.
R12	Extremely flammable.
R12 R23/24/25	<i>Toxic by inhalation, in contact with skin and if swallowed.</i>
R36	Irritating to eyes.
R30 R37	
	Irritating to respiratory system.
R38	Irritating to skin.
R39/23/24/2	25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.
	t issuing MSDS: Research & Development
· Contact: Ka	ontakt: msds@dinol.com oder Tel.: 0049 (0)5281 982 980
· Abbreviatio	ns and acronyms:
RID: Règleme	nt international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the
	Transport of Dangerous Goods by Rail)
	tional Civil Aviation Organisation
	européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International angerous Goods by Road)
	ational Maritime Code for Dangerous Goods
	ional Air Transport Association
	Harmonised System of Classification and Labelling of Chemicals
	pean Inventory of Existing Commercial Chemical Substances
	pean List of Notified Chemical Substances
	<i>Abstracts Service (division of the American Chemical Society)</i>
	d No-Effect Level (REACH)
	ted No-Effect Concentration (REACH) concentration, 50 percent
	dose, 50 percent
	Flammable gases, Hazard Category 1
	1: Flammable aerosols, Hazard Čategory 1
Press. Gas C:	Gases under pressure: Compressed gas
	Flammable liquids, Hazard Category 2
	Flammable liquids, Hazard Category 3
	Acute toxicity, Hazard Category 3 kin corrosion/irritation, Hazard Category 2
	rious eye damage/eye irritation, Hazard Category 2
	pecific target organ toxicity - Single exposure, Hazard Category 1
	pecific target organ toxicity - Single exposure, Hazard Category 3
	spiration hazard, Hazard Category 1
	ic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
	ic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3
• * Data com	pared to the previous version altered.
	GB