



**AUTO BODY EQUIPMENT**

17 The Boulevard  
Te Rapa, Hamilton

Ph: 07 849 3514  
Fax: 07 849 3614

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# **SAFETY DATA SHEET**

## **DINITROL 4941 AERO**

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### **NZ Supplier details**

Auto Body Equipment  
17 The Boulevard, Te Rapa  
Hamilton 3200 New Zealand  
+64 7 849 3514  
office@abe.co.nz

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### **24hr NZ Medical Contact Details**

New Zealand National  
Poisons Centre  
0800 764 766

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### **HSNO Approval Number**

Aerosols (Flammable) Group Standard 2006

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### **HSNO Approval Group**

HSR002515

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### **HSNO Hazards**

2.1.2A	Flammable Aerosols
6.1D	Acute Toxicity: Oral
6.1D	Acute Toxicity: Skin
6.1D	Acute Toxicity: Inhalation
6.3A	Skin Irritation
6.4A	Eye Irritation
6.9A	Specific Target Organ Systemic Toxicity
9.1B	Aquatic Toxicity

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier**
- **Trade name:** *DINITROL 4941/CAR 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*
- **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 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! Pressurized container.*  
*Has a narcotizing 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 EU guidelines:**  
*The product has been marked in accordance with EU Directives / respective national laws.*  
*The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.*  
*The R and S phrases may be omitted if packaging contains no more than 0.125 litre.*
- **Code letter and hazard designation of product:**  
*F+ Extremely flammable*
- **Risk phrases:**  
*12 Extremely flammable.*  
*52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*  
*66 Repeated exposure may cause skin dryness or cracking.*  
*67 Vapours may cause drowsiness and dizziness.*
- **Safety phrases:**  
*2 Keep out of the reach of children.*  
*16 Keep away from sources of ignition - No smoking.*  
*23 Do not breathe vapour/spray.*

**Trade name: DINITROL 4941/CAR Spray**

(Contd. of page 1)

- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
- 51 Use only in well-ventilated areas.

**Special labelling of certain preparations:**

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.

Buildup of explosive mixtures possible without sufficient ventilation.

**Classification in accordance with Directive 75/324/EEC: Extremely flammable**

**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 characterization: Mixtures**

**Description:** Mixture of substances listed below with additions.

**Dangerous components:**

CAS: 64742-49-0 EC number: 920-750-0 Reg.nr.: 01-2119473851-33-0001	Naphtha (petroleum), hydrotreated light ☒ Xn R65; ☒ F R11; ☒ N R51/53 R66-67 ----- ☒ Flam. Liq. 2, H225; ☒ Asp. Tox. 1, H304; ☒ Aquatic Chronic 2, H411; ☒ STOT SE 3, H336	10-<25%
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, H280	10-<25%
CAS: 106-97-8 EINECS: 203-448-7	Butane, pure ☒ F+ R12 ----- ☒ Flam. Gas 1, H220; ☒ Press. Gas, H280	10-<25%
CAS: 64742-49-0 EC number: 927-241-2 Reg.nr.: 01-2119471843-32-0001	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; ☒ N R51/53 R67 ----- ☒ Flam. Liq. 2, H225; ☒ Asp. Tox. 1, H304; ☒ Aquatic Chronic 2, H411; ☒ Skin Irrit. 2, H315; STOT SE 3, H336	1-<5%

(Contd. on page 3)

**Trade name: DINITROL 4941/CAR Spray**

CAS: 64742-95-6 EINECS: 265-199-0 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	(Contd. of page 2) 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	<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 skin contact:** If skin irritation continues, consult a doctor.
- **After eye contact:**  
 Rinse opened eye for several minutes under running water. Then consult a doctor.  
 Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **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.

### 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:**  
 Do not allow product to reach sewage system or any water course.  
 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.

(Contd. on page 4)

**Trade name: DINITROL 4941/CAR Spray**

(Contd. of page 3)

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.

Pressurized 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 pressurized 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.**

**· 8.1 Control parameters**

**· Ingredients with limit values that require monitoring at the workplace:**

**78-93-3 Methyl ethyl ketone**

WEL Short-term value: 899 mg/m<sup>3</sup>, 300 ppm

Long-term value: 600 mg/m<sup>3</sup>, 200 ppm

Sk, BMGV

**106-97-8 Butane, pure**

WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm

Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm

Carc (if more than 0.1% of buta-1.3-diene)

**67-56-1 Methanol**

WEL Short-term value: 333 mg/m<sup>3</sup>, 250 ppm

Long-term value: 266 mg/m<sup>3</sup>, 200 ppm

Sk

**· DNELs**

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

Oral	Long-term - systemic effects, general population	699 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, general population	699 mg/kg bw/day (General population)
	Long-term - systemic effects, worker	773 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects, general population	608 mg/m <sup>3</sup> (General Population)
	Long-term - systemic effects, worker	2035 mg/m <sup>3</sup> (Worker)

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

Oral	Long-term - systemic effects, general population	300 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, general population	300 mg/kg bw/day (General population)
	Long-term - systemic effects, worker	300 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects, general population	900 mg/m <sup>3</sup> (General Population)
	Long-term - systemic effects, worker	1500 mg/m <sup>3</sup> (Worker)

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**Trade name: DINITROL 4941/CAR Spray**

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<b>64742-49-0 Naphtha (petroleum), hydrotreated light</b>		
Oral	Long-term - systemic effects, general population	699 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, general population	699 mg/kg bw/day (General population)
	Long-term - systemic effects, worker	773 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects, general population	608 mg/m <sup>3</sup> (General Population)
	Long-term - systemic effects, worker	2035 mg/m <sup>3</sup> (Worker)
<b>64742-95-6 Solvent naphtha (petroleum), light arom.</b>		
Oral	Long-term - systemic effects, general population	11 mg/kg bw/day (General Population)
Dermal	Long-term - systemic effects, general population	11 mg/kg bw/day (General population)
	Long-term - systemic effects, worker	25 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects, worker	150 mg/m <sup>3</sup> (Worker)
<b>67-56-1 Methanol</b>		
Oral	Acute - systemic effects, general population	8 mg/kg bw/day (General Population)
	Long-term - systemic effects, general population	8 mg/kg bw/day (General Population)
Dermal	Acute - systemic effects, general population	8 mg/kg (General population)
	Acute - systemic effects, worker	40 mg/kg bw/day (Worker)
	Long-term - systemic effects, general population	8 mg/kg bw/day (General population)
	Long-term - systemic effects, worker	40 mg/kg bw/day (Worker)
Inhalative	Acute - Local effects, worker	260 mg/m <sup>3</sup> (Worker)
	Acute - local effects, general population	50 mg/m <sup>3</sup> (General Population)
	Acute - systemic effects, general population	50 mg/m <sup>3</sup> (General Population)
	Acute - systemic effects, worker	260 mg/m <sup>3</sup> (Worker)
	Long-term - local effects, general population	50 mg/m <sup>3</sup> (General Population)
	Long-term - local effects, worker	260 mg/m <sup>3</sup> (Worker)
	Long-term - systemic effects, general population	50 mg/m <sup>3</sup> (General Population)
	Long-term - systemic effects, worker	260 mg/m <sup>3</sup> (Worker)

· **PNECs**

<b>67-56-1 Methanol</b>	
Aquatic compartment - freshwater	154 mg/L (not specified)
Aquatic compartment - marine water	15.4 mg/L (not specified)
Aquatic compartment - sediment in marine water	570.4 mg/kg sed dw (not specified)
Aquatic compartment - water, intermittent releases	1540 mg/L (not specified)
Sewage treatment plant	100 mg/L (not specified)
Terrestrial compartment - soil	23.5 mg/kg dw (not specified)

· **Ingredients with biological limit values:**

<b>78-93-3 Methyl ethyl ketone</b>	
BMGV	70 µmol/L
	Medium: urine
	Sampling time: post shift
	Parameter: butan-2-one

· **Additional information:** The lists valid during the making were 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.

(Contd. on page 6)



**Trade name: DINITROL 4941/CAR Spray**

(Contd. of page 5)

**· Respiratory protection:**

*In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.*

*Use suitable respiratory protective device in case of insufficient ventilation.*

**· Protection of hands:** Not required.

**· Material of gloves**

*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*

*Fluorocarbon rubber (Viton)*

*Nitrile rubber*

*Recommended thickness of the material:  $\geq 0.12$  mm*

**· Penetration time of glove material**

*> 480 min.*

*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*

**· Eye protection:**



Tightly sealed goggles

**SECTION 9: Physical and chemical properties**

**· 9.1 Information on basic physical and chemical properties**

**· General Information**

**· Appearance:**

**Form:** Aerosol

**Colour:** Black

**· Odour:** Characteristic

**· Odour threshold:** 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/vapour mixtures are possible.

**· Explosion limits:**

**Lower:** 0.6 Vol %

**Upper:** 11.5 Vol %

**· Vapour pressure At 20 °C:** 8300 hPa

**· Density At 20 °C:** 0.812 g/cm<sup>3</sup> (DIN 51757)

**· Relative density** Not determined.

**· Vapour density** Not determined.

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**Trade name: DINITROL 4941/CAR Spray**

(Contd. of page 6)

· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	65.1 %
<b>Water:</b>	0.1 %
<b>Solids content:</b>	34.8 % (DIN 53216)
· <b>9.2 Other information</b>	No further relevant information available.
· <b>VOC (EU):</b>	65.14 %
· <b>VOC (EU):</b>	528.9 g/l
· <b>VOCV:</b>	65.14 %

### 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: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

· <b>LD/LC50 values relevant for classification:</b>		
<b>64742-49-0 Naphtha (petroleum), hydrotreated light</b>		
Oral	LD50	>5000 mg/kg (RAT)
Dermal	LD50	>2800 mg/kg (RABBIT)
Inhalative	LC 50	>23.3 mg/l (RAT)
<b>78-93-3 Methyl ethyl ketone</b>		
Oral	LD50	3300 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rbt)
<b>106-97-8 Butane, pure</b>		
Inhalative	LC50/4 h	658 mg/l (rat)
<b>64742-49-0 Naphtha (petroleum), hydrotreated light</b>		
Oral	LD50	>5840 mg/kg (RAT)
Dermal	LD50	>2920 mg/kg (RABBIT)
Inhalative	LC50/4 h	>25.2 mg/l (RAT)
<b>64742-95-6 Solvent naphtha (petroleum), light arom.</b>		
Dermal	LD50	>2000 mg/kg (RABBIT)
<b>67-56-1 Methanol</b>		
Oral	LD50	13000 mg/kg (rat)

(Contd. on page 8)



**Trade name: DINITROL 4941/CAR Spray**

(Contd. of page 7)

- **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.
- **Sensitization:** Sensitizing effect by skin contact is possible by prolonged exposure.

## 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.
- **Ecotoxicological 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.

#### · 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.



GB

(Contd. on page 9)

Trade name: **DINITROL 4941/CAR Spray**

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**SECTION 14: Transport information**

<ul style="list-style-type: none"> <li>· 14.1 UN-Number</li> <li>· ADR, IMDG, IATA</li> </ul>	<p>UN1950</p>	
<ul style="list-style-type: none"> <li>· 14.2 UN proper shipping name</li> <li>· ADR</li> <li>· IMDG</li> <li>· IATA</li> </ul>	<p>1950 AEROSOLS AEROSOLS AEROSOLS, flammable</p>	
<ul style="list-style-type: none"> <li>· 14.3 Transport hazard class(es)</li> <li>· ADR</li> </ul>	<div style="text-align: center;">  </div> <ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	<p>2 5F Gases. 2.1</p>
<ul style="list-style-type: none"> <li>· IMDG, IATA</li> </ul>	<div style="text-align: center;">  </div> <ul style="list-style-type: none"> <li>· Class</li> <li>· Label</li> </ul>	<p>2.1 2.1</p>
<ul style="list-style-type: none"> <li>· 14.4 Packing group</li> <li>· ADR, IMDG, IATA</li> </ul>	<p>Void</p>	
<ul style="list-style-type: none"> <li>· 14.5 Environmental hazards:</li> <li>· Marine pollutant:</li> </ul>	<p>No</p>	
<ul style="list-style-type: none"> <li>· 14.6 Special precautions for user</li> <li>· Danger code (Kemler):</li> <li>· EMS Number:</li> </ul>	<p>Warning: Gases. - F-D,S-U</p>	
<ul style="list-style-type: none"> <li>· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</li> </ul>	<p>Not applicable.</p>	
<ul style="list-style-type: none"> <li>· Transport/Additional information:</li> </ul>	<p>For ADR and IMDG: Transport and packing are in accordance with the regulation for limited quantities. These products are therefore classified as no dangerous goods.</p>	
<ul style="list-style-type: none"> <li>· ADR</li> <li>· Limited quantities (LQ)</li> <li>· Transport category</li> <li>· Tunnel restriction code</li> </ul>	<p>1L 2 D</p>	

**SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Labelling according to EU guidelines:  
The product has been marked in accordance with EU Directives / respective national laws.  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.  
The R and S phrases may be omitted if packaging contains no more than 0.125 litre.

(Contd. on page 10)

**Trade name: DINITROL 4941/CAR Spray**

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· **Code letter and hazard designation of product:**

F+ Extremely flammable

· **Risk phrases:**

- 12 Extremely flammable.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

- 2 Keep out of the reach of children.
- 16 Keep away from sources of ignition - No smoking.
- 23 Do not breathe vapour/spray.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
- 51 Use only in well-ventilated areas.

· **Special labelling of certain preparations:**

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.

Buildup of explosive mixtures possible without sufficient ventilation.

· **Classification in accordance with Directive 75/324/EEC: Extremely flammable**

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
I	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.
- 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.
- R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

(Contd. on page 11)

**Trade name: DINITROL 4941/CAR Spray**

(Contd. of page 10)

- R36            *Irritating to eyes.*
- R37            *Irritating to respiratory system.*
- R38            *Irritating to skin.*
- R39/23/24/25 *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.*

- **Department issuing MSDS:** Research & Development
- **Contact:** Kontakt: [msds@dinol.com](mailto:msds@dinol.com) oder Tel.: 0049 (0)5281 982 980
- **\* Data compared to the previous version altered.**

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