

Material Safety Data Sheet According to 91/155 EC

Printing date 23.10.2002

Reviewed on 30.11.2001

1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

· **Trade name:** *DINITROL CAR SPRAY*

· **Application of the substance / the preparation** *Surface protection*

· **Manufacturer/Supplier:**

EFTEC AB, Box 149, S-28122 Hässleholm, SWEDEN

DINOL AB, Box 149, S-28122 Hässleholm, SWEDEN

· **Further information obtainable from:** *Tel. +46 451 880 00, FAX +46 451 880 44*

· **Information in case of emergency:** *020-996000 (ECR Nr. Nat.) +46 8 337 043 (ERC Nr. Int.)*


2 Composition/information on ingredients

· **Chemical characterization**

· **Description:** *Hydrocarbon solvent based corrosion rust preventive.*

· **Dangerous components:**

Naphtha (petroleum), hydrotreated heavy, cas nr 64742-48-9

 *Xn; R 10-65-66 25-50%*

3 Hazards identification

· **Hazard description:**

F+ Extremely flammable

· **Information concerning particular hazards for human and environment:**

R 12 Extremely flammable.

R 66 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.

Keep out of the reach of children

· **Classification system:**

The classification of the product is based on Annex 1 of the substance directive (67/548/EEG) and ATP25.

· **Additional information:**

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)).

Classification with R65 is not required since the product is an aerosol.

4 First-aid measures

· **After inhalation:** *Take affected persons into fresh air and keep quiet.*

· **After skin contact:** *Remove contaminated clothing. Wash skin with soap and water.*

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

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- **After swallowing:**
Give vegetable oil or cream.
Do not induce vomiting; call for medical help immediately.

5 Fire-fighting measures

- **Suitable extinguishing agents:**
Carbon dioxide
Fire-extinguishing powder
Foam
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
Can form explosive gas-air mixtures.
- **Protective equipment:** No special measures required.
- **Additional information** Cool endangered receptacles with water spray.

6 Accidental release measures

- **Person-related safety precautions:** Keep away from ignition sources.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **Additional information:** See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Protect from heat and direct sunlight.
Store receptacle in a well ventilated area.
- **Maximum storage temperature:** < 50 °C
- **Class according to regulation on flammable liquids:** A III

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**

Naphtha (petroleum), hydrotreated heavy, cas nr 64742-48-9

OEL Long-term value: 1000 mg/m ³

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546-93-0 MAGNESIT

OES	Long-term value: 10* 4** mg/m ³ *total inhalable dust **respirable dust
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· **Personal protective equipment:**

· **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.

· **Protection of hands:**



Protective gloves

· **Material of gloves**

PVC gloves

Nitrile rubber, NBR

Chloroprene rubber, CR

· **Penetration time of glove material**

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

· **Eye protection:** Safety glasses

9 Physical and chemical properties

· **General Information**

Form:	Fluid
Colour:	Black
Odour:	Solvent-like

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Not applicable, as aerosol.

· **Flash point:** Not applicable.

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower: 0.5 Vol %

Upper: 6.5 Vol %

· **Vapour pressure at 38°C:** <1 kPa

· **Density at 23°C:** 1 g/cm³

· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values relevant for classification:**

Naphtha (petroleum), hydrotreated heavy, cas nr 64742-48-9

Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4h	>5 mg/l (rat)

- **Primary irritant effect:**

- **on the skin:**

Decreases the skin which with long or often repeated contact may cause reddening and sometimes eczema. In combination with bad personal hygiene, it may cause dermatitis, oil acne or other skin changes.

- **on the eye:** Irritating effect.

- **Sensitization:** No sensitizing effects known.

- **Inhalation:**

May cause headache, dizziness, tiredness and indisposition. At high concentrations reaction time and memory may deteriorate and unconsciousness may occur. Long or often repeated inhalation of high concentrations may cause permanent damage to the nervous system.

- **Ingestion:**

May cause similar symptoms as for inhalation.

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

12 Ecological information

- **Information about elimination (persistence and degradability):**

- **Other information:** The product is biodegradable.

- **Ecotoxicological effects:**

- **Aquatic toxicity:**

Naphtha (petroleum), hydrotreated heavy, cas nr 64742-48-9

LC50	>100 mg/l (alga)
	>100 mg/l (daphnia)
	>100 mg/l (fish)

- **Remark:** The solvent can be bioaccumulated.

- **General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

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13 Disposal considerations

· Product:

· Recommendation

Dispose of as dangerous waste.

Dispose of in accordance with Local Authority requirements

· European waste catalogue

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 07 00	wastes from the MFSU of fine chemicals and chemical products not otherwise specified
07 07 99	wastes not otherwise specified

· Uncleaned packaging:

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

14 Transport information

· Land transport ADR/RID (cross-border)

· ADR/RID class: 2 5F Gases.

· UN-Number: 1950

· Packaging group: II

· Description of goods: 1950 AEROSOLS

· Maritime transport IMDG:

· IMDG Class: 2.1

· UN Number: 1950

· Packaging group: II

· EMS Number: 2-13

· Marine pollutant: No

· Proper shipping name: AEROSOLS

· Air transport ICAO-TI and IATA-DGR:

· ICAO/IATA Class: 2.1

· UN/ID Number: 1950

· Packaging group: II

· Proper shipping name: AEROSOLS, flammable, n.o.s

15 Regulatory information

· Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· Code letter and hazard designation of product:



F+ Extremely flammable

· Risk phrases:

12 Extremely flammable.

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66 Repeated exposure may cause skin dryness or cracking.

· **Safety phrases:**

2 Keep out of the reach of children.

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

46 If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

60 This material and its container must be disposed of as hazardous waste.

· **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.

Keep out of the reach of children

· **National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· **Classification according to VbF: A III**

· **Waterhazard class:** Water hazard class 3 (Self-assessment): extremely hazardous for water.

16 Other information

The information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our product from the point of view of safety requirements and is not intended to guarantee any particular property.

Aerosol, contains 20-30% propane/butane as propellant.

The given information concerns the product concentrate.

· **Relevant R-phrases**

10 Flammable.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

· **Department issuing MSDS:** Q&E Department

· **Contact:** Lena Almestrand