

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## DINITROL 77B Spray

Revision date: 14.01.2021

Product code: 21702

Page 1 of 12

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

#### 1.1. Product identifier

DINITROL 77B Spray

UFI: N73X-C12S-T009-FYX4

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

Anti-corrosive coating

#### 1.3. Details of the supplier of the safety data sheet

|                         |                      |          |                       |
|-------------------------|----------------------|----------|-----------------------|
| Company name:           | DINOL GmbH           |          |                       |
| Street:                 | Pyrmonter Strasse 76 |          |                       |
| Place:                  | D-32676 Luegde       |          |                       |
| Telephone:              | + 49 (0) 5281 982980 | Telefax: | + 49 (0) 5281 9829860 |
| e-mail:                 | msds@dinol.com       |          |                       |
| Contact person:         | Labor                |          |                       |
| Responsible Department: | msds@dinol.com       |          |                       |

#### 1.4. Emergency telephone number:

Giftnotruf Berlin: +49 30 30686 700 (Beratung in Deutsch und Englisch)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

Hazard categories:  
Aerosol: Aerosol 1  
Acute toxicity: Acute Tox. 4  
Aspiration hazard: Asp. Tox. 1  
Specific target organ toxicity - single exposure: STOT SE 3  
Hazardous to the aquatic environment: Aquatic Chronic 3  
Hazard Statements:  
Extremely flammable aerosol.  
Pressurised container: May burst if heated.  
Harmful if inhaled.  
May be fatal if swallowed and enters airways.  
May cause drowsiness or dizziness.  
Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Hazard components for labelling

n-butane  
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics

Signal word: Danger

##### Pictograms:



##### Hazard statements

|      |                                             |
|------|---------------------------------------------|
| H222 | Extremely flammable aerosol.                |
| H229 | Pressurised container: May burst if heated. |
| H332 | Harmful if inhaled.                         |

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## DINITROL 77B Spray

Revision date: 14.01.2021

Product code: 21702

Page 2 of 12

H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P273 Avoid release to the environment.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
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.

### Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.  
EUH208 Contains calcium sulfonate. May produce an allergic reaction.

### Additional advice on labelling

The classification of the aerosol was carried out according to EC 1272/2008, Annex 1, point 1.1.3.7.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

| CAS No     | Chemical name                                                                        |              |                  | Quantity    |
|------------|--------------------------------------------------------------------------------------|--------------|------------------|-------------|
|            | EC No                                                                                | Index No     | REACH No         |             |
|            | GHS Classification                                                                   |              |                  |             |
| 64742-48-9 | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics                  |              |                  | 45 - < 50 % |
|            | 919-857-5                                                                            | 649-327-00-6 | 01-2119463258-33 |             |
|            | Flam. Liq. 3, STOT SE 3, Asp. Tox. 1; H226 H336 H304 EUH066                          |              |                  |             |
| 74-98-6    | propane                                                                              |              |                  | 10 - < 15 % |
|            | 200-827-9                                                                            |              | 01-2119486944-21 |             |
|            | Flam. Gas 1A, Compressed gas; H220 H280                                              |              |                  |             |
| 106-97-8   | n-butane                                                                             |              |                  | 10 - < 15 % |
|            | 203-448-7                                                                            |              | 01-2119474691-32 |             |
|            | Flam. Gas 1A, Compressed gas, Acute Tox. 3; H220 H280 H331                           |              |                  |             |
| 25307-17-9 | 2,2'-(octadec-9-enylimino)bisethanol                                                 |              |                  | < 1 %       |
|            | 246-807-3                                                                            |              | 01-2119510876-35 |             |
|            | Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H400 H410 |              |                  |             |

Full text of H and EUH statements: see section 16.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## DINITROL 77B Spray

Revision date: 14.01.2021

Product code: 21702

Page 3 of 12

### Specific Conc. Limits, M-factors and ATE

| CAS No     | EC No     | Chemical name                                                                                                       | Quantity    |
|------------|-----------|---------------------------------------------------------------------------------------------------------------------|-------------|
|            |           | Specific Conc. Limits, M-factors and ATE                                                                            |             |
| 106-97-8   | 203-448-7 | n-butane                                                                                                            | 10 - < 15 % |
|            |           | inhalation: ATE = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); inhalation: LC50 = 658 ppm (gases) |             |
| 25307-17-9 | 246-807-3 | 2,2'-(octadec-9-enylimino)bisethanol                                                                                | < 1 %       |
|            |           | oral: LD50 = >300-2000 mg/kg M akut; H400: M=10<br>M chron.; H410: M=1                                              |             |

### Further Information

Hydrocarbons meet the requirements for not being classified as carcinogenic (<0,1% benzene alt<3% (w/w)  
DMSO extract (IP 346)).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In all cases of doubt, or when symptoms persist, seek medical advice.

#### After inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

#### After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

#### After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed

No information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>), alcohol resistant foam , Extinguishing powder  
In case of major fire and large quantities: Water spray jet, alcohol resistant foam

#### Unsuitable extinguishing media

High power water jet.

### 5.2. Special hazards arising from the substance or mixture

No further relevant information available.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

### Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## DINITROL 77B Spray

Revision date: 14.01.2021

Product code: 21702

Page 4 of 12

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### General measures

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

#### 6.3. Methods and material for containment and cleaning up

##### Other information

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.

#### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Do not pierce or burn, even after use. If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

##### Advice on protection against fire and explosion

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

##### Hints on joint storage

No special measures are necessary.

#### 7.3. Specific end use(s)

No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

| CAS No   | Substance | ppm | mg/m <sup>3</sup> | fibres/ml | Category      | Origin |
|----------|-----------|-----|-------------------|-----------|---------------|--------|
| 106-97-8 | Butane    | 600 | 1450              |           | TWA (8 h)     | WEL    |
|          |           | 750 | 1810              |           | STEL (15 min) | WEL    |

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## DINITROL 77B Spray

Revision date: 14.01.2021

Product code: 21702

Page 5 of 12

### DNEL/DMEL values

| CAS No                   | Substance                                                           |                |          |                    |
|--------------------------|---------------------------------------------------------------------|----------------|----------|--------------------|
| DNEL type                |                                                                     | Exposure route | Effect   | Value              |
| 64742-48-9               | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics |                |          |                    |
| ,                        |                                                                     |                |          |                    |
| 25307-17-9               | 2,2'-(octadec-9-enylimino)bisethanol                                |                |          |                    |
| Worker DNEL, long-term   |                                                                     | inhalation     | systemic | 2,122 mg/m³        |
| Worker DNEL, long-term   |                                                                     | dermal         | systemic | 0,3 mg/kg bw/day   |
| Consumer DNEL, long-term |                                                                     | inhalation     | systemic | 0,745 mg/m³        |
| Consumer DNEL, long-term |                                                                     | dermal         | systemic | 0,214 mg/kg bw/day |
| Consumer DNEL, long-term |                                                                     | oral           | systemic | 0,214 mg/kg bw/day |

### PNEC values

| CAS No                    | Substance                            |  |
|---------------------------|--------------------------------------|--|
| Environmental compartment | Value                                |  |
| 25307-17-9                | 2,2'-(octadec-9-enylimino)bisethanol |  |
| Freshwater                | 0,000214 mg/l                        |  |
| Marine water              | 0,0000214 mg/l                       |  |
| Freshwater sediment       | 1,692 mg/kg                          |  |
| Marine sediment           | 0,1692 mg/kg                         |  |
| Secondary poisoning       | 2 mg/kg                              |  |
| Soil                      | 5 mg/kg                              |  |

## 8.2. Exposure controls



### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

### Protective and hygiene measures

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.

### Eye/face protection

Not required.

Recommended eye protection articles: Eye glasses with side protection (DIN EN 166)

### Hand protection

Not required.

Recommended glove articles

NBR (Nitrile rubber) - (> = 0,12 mm), 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.

## DINITROL 77B Spray

Revision date: 14.01.2021

Product code: 21702

Page 6 of 12

### Skin protection

Wear anti-static footwear and clothing

### Respiratory protection

Work in well-ventilated zones or use proper respiratory protection.  
gas filtering equipment (EN 141)., Filter material/medium: AX

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                  |                |
|------------------|----------------|
| Physical state:  | Aerosol        |
| Colour:          | brown          |
| Odour:           | characteristic |
| Odour threshold: | not determined |

### Test method

|           |                |
|-----------|----------------|
| pH-Value: | not determined |
|-----------|----------------|

### Changes in the physical state

|                                                           |                |
|-----------------------------------------------------------|----------------|
| Melting point:                                            | not determined |
| Boiling point or initial boiling point and boiling range: | -44 °C         |
| Flash point:                                              | < -20 °C       |

### Flammability

|               |                |
|---------------|----------------|
| Solid/liquid: | not applicable |
| Gas:          | not applicable |

### Explosive properties

not determined

|                            |             |
|----------------------------|-------------|
| Lower explosion limits:    | 0,6 vol. %  |
| Upper explosion limits:    | 10,9 vol. % |
| Auto-ignition temperature: | > 200 °C    |

### Self-ignition temperature

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

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

### Oxidizing properties

Not oxidising.

|                                |          |
|--------------------------------|----------|
| Vapour pressure:<br>(at 20 °C) | 8300 hPa |
|--------------------------------|----------|

|                     |                                   |
|---------------------|-----------------------------------|
| Density (at 20 °C): | 0,736 g/cm <sup>3</sup> DIN 51757 |
|---------------------|-----------------------------------|

|                   |                                                                                                        |
|-------------------|--------------------------------------------------------------------------------------------------------|
| Water solubility: | The study does not need to be conducted<br>because the substance is known to be<br>insoluble in water. |
|-------------------|--------------------------------------------------------------------------------------------------------|

### Solubility in other solvents

not determined

|                                        |                |
|----------------------------------------|----------------|
| Partition coefficient n-octanol/water: | not determined |
| Viscosity / dynamic:                   | not determined |
| Viscosity / kinematic:                 | not determined |
| Relative vapour density:               | not determined |
| Evaporation rate:                      | not determined |

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## DINITROL 77B Spray

Revision date: 14.01.2021

Product code: 21702

Page 7 of 12

Solvent content: 64,10 %

### 9.2. Other information

Solid content: 35,90 %

No information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

### 10.4. Conditions to avoid

No further relevant information available.

### 10.5. Incompatible materials

No information available.

### 10.6. Hazardous decomposition products

Carbon monoxide

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Harmful if inhaled.

#### ATEmix calculated

ATE (inhalation aerosol) 3,571 mg/l

| CAS No     | Chemical name                        |                      |         |        |        |
|------------|--------------------------------------|----------------------|---------|--------|--------|
|            | Exposure route                       | Dose                 | Species | Source | Method |
| 106-97-8   | n-butane                             |                      |         |        |        |
|            | inhalation vapour                    | ATE 3 mg/l           |         |        |        |
|            | inhalation aerosol                   | ATE 0,5 mg/l         |         |        |        |
|            | inhalation (4 h) gas                 | LC50 658 ppm         | Rat     |        |        |
| 25307-17-9 | 2,2'-(octadec-9-enylimino)bisethanol |                      |         |        |        |
|            | oral                                 | LD50 >300-2000 mg/kg | Rat     |        |        |

#### Irritation and corrosivity

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

#### Sensitising effects

Contains calcium sulfonate. May produce an allergic reaction.

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

#### STOT-single exposure

May cause drowsiness or dizziness. (Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics)

#### STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

## DINITROL 77B Spray

Revision date: 14.01.2021

Product code: 21702

Page 8 of 12

### Aspiration hazard

May be fatal if swallowed and enters airways.

Observe risk of aspiration if vomiting occurs. Potential hazards: Pneumonia

### Further information

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

## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

| CAS No     | Chemical name                        |               |           |         |                                   |        |
|------------|--------------------------------------|---------------|-----------|---------|-----------------------------------|--------|
|            | Aquatic toxicity                     | Dose          | [h]   [d] | Species | Source                            | Method |
| 25307-17-9 | 2,2'-(octadec-9-enylimino)bisethanol |               |           |         |                                   |        |
|            | Acute algae toxicity                 | ErC50<br>mg/l | >0,01-1   | 72 h    | Selenastrum<br>capricornutum      |        |
|            | Acute crustacea toxicity             | EC50<br>mg/l  | >0,01-1   | 48 h    | Daphnia magna (Big<br>water flea) |        |

### 12.2. Persistence and degradability

The product has not been tested.

| CAS No     | Chemical name                                                       |       |   |        |
|------------|---------------------------------------------------------------------|-------|---|--------|
|            | Method                                                              | Value | d | Source |
|            | Evaluation                                                          |       |   |        |
| 64742-48-9 | Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics |       |   |        |
|            |                                                                     | 80%   |   |        |
|            | Readily biodegradable (according to OECD criteria).                 |       |   |        |

### 12.3. Bioaccumulative potential

The product has not been tested.

### Partition coefficient n-octanol/water

| CAS No  | Chemical name | Log Pow |
|---------|---------------|---------|
| 74-98-6 | propane       | 2,36    |

### 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

not applicable

### 12.7. 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. Do not allow to enter into soil/subsoil.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

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

List of proposed waste codes/waste designations in accordance with EWC:

#### List of Wastes Code - residues/unused products

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## DINITROL 77B Spray

Revision date: 14.01.2021

Product code: 21702

Page 9 of 12

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

### List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

### Contaminated packaging

Remove according to the regulations.

## SECTION 14: Transport information

### Land transport (ADR/RID)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0  
Transport category: 2  
Tunnel restriction code: D

### Other applicable information (land transport)

E0

### Inland waterways transport (ADN)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0

### Marine transport (IMDG)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
Hazard label: 2.1

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## DINITROL 77B Spray

Revision date: 14.01.2021

Product code: 21702

Page 10 of 12



Marine pollutant: no  
Special Provisions: 63, 190, 277, 327, 344, 381, 959  
Limited quantity: 1000 mL  
Excepted quantity: E0  
EmS: F-D, S-U

### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS, FLAMMABLE  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
Hazard label: 2.1



Special Provisions: A145 A167 A802  
Limited quantity Passenger: 30 kg G  
Passenger LQ: Y203  
Excepted quantity: E0  
IATA-packing instructions - Passenger: 203  
IATA-max. quantity - Passenger: 75 kg  
IATA-packing instructions - Cargo: 203  
IATA-max. quantity - Cargo: 150 kg

### Other applicable information (air transport)

E0  
Passenger-LQ: Y203

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 14.6. Special precautions for user

Stowage Code:  
SW1 Protected from sources of heat.  
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

Segregation Code:  
SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

### 14.7. Maritime transport in bulk according to IMO instruments

not applicable

### Other applicable information

Stowage Code:  
SW1 Protected from sources of heat.  
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

Segregation Code:

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**DINITROL 77B Spray**

Revision date: 14.01.2021

Product code: 21702

Page 11 of 12

SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 29, Entry 40

2004/42/EC (VOC):

64,10 %

471,8 g/l

Subcategory according to Directive  
2004/42/EC:

Special finishes - All types, VOC limit value: 840 g/l

Information according to 2012/18/EU  
(SEVESO III):

P3a FLAMMABLE AEROSOLS

**Additional information**

Observe in addition any national regulations!

Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work

Aerosol directive (75/324/EEC).

**National regulatory information**

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D):

3 - highly hazardous to water

**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics

**SECTION 16: Other information****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%

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DINITROL 77B Spray

Revision date: 14.01.2021

Product code: 21702

Page 12 of 12

#### Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

| Classification          | Classification procedure      |
|-------------------------|-------------------------------|
| Aerosol 1; H222-H229    | On basis of test data         |
| Acute Tox. 4; H332      | Calculation method            |
| Asp. Tox. 1; H304       |                               |
| STOT SE 3; H336         | Bridging principle "Aerosols" |
| Aquatic Chronic 3; H412 | Calculation method            |

#### Relevant H and EUH statements (number and full text)

|        |                                                               |
|--------|---------------------------------------------------------------|
| H220   | Extremely flammable gas.                                      |
| H222   | Extremely flammable aerosol.                                  |
| H226   | Flammable liquid and vapour.                                  |
| H229   | Pressurised container: May burst if heated.                   |
| H280   | Contains gas under pressure; may explode if heated.           |
| H302   | Harmful if swallowed.                                         |
| H304   | May be fatal if swallowed and enters airways.                 |
| H314   | Causes severe skin burns and eye damage.                      |
| H331   | Toxic if inhaled.                                             |
| H332   | Harmful if inhaled.                                           |
| H336   | May cause drowsiness or dizziness.                            |
| H400   | Very toxic to aquatic life.                                   |
| H410   | Very toxic to aquatic life with long lasting effects.         |
| H412   | Harmful to aquatic life with long lasting effects.            |
| EUH066 | Repeated exposure may cause skin dryness or cracking.         |
| EUH208 | Contains calcium sulfonate. May produce an allergic reaction. |

#### Further Information

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.)*