

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### DINITROL 870 MMA Comp. A

Print date: 15.07.2015

Product code: 80870

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

##### **1.1. Product identifier**

DINITROL 870 MMA Comp. A

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

###### **Use of the substance/mixture**

Adhesives, sealants

##### **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 9829 80	Telefax: +49 (0) 5281 9829 860
Responsible Department:	msds@dinol.com	

##### **1.4. Emergency telephone number:** Giftnotruf Berlin: +49 30 30686 790 (Consultation in German and English)

#### SECTION 2: Hazards identification

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

###### **Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard categories:  
Flammable liquid: Flam. Liq. 2  
Skin corrosion/irritation: Skin Irrit. 2  
Respiratory/skin sensitization: Skin Sens. 1  
Specific target organ toxicity - single exposure: STOT SE 3  
Hazardous to the aquatic environment: Aquatic Chronic 3  
Hazard Statements:  
Highly flammable liquid and vapour.  
Causes skin irritation.  
May cause an allergic skin reaction.  
May cause respiratory irritation.  
Harmful to aquatic life with long lasting effects.

##### **2.2. Label elements**

###### **Hazardous components which must be listed on the label**

methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate

Signal word: Danger  
Pictograms: GHS02-GHS07



###### **Hazard statements**

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
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
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P260	smoking.
P280	Do not breathe vapour/aerosol.
P333+P313	Wear protective gloves/protective clothing/eye protection/face protection.
P501	If skin irritation or rash occurs: Get medical advice/attention.
	This material and its container must be disposed of as hazardous waste.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
201-297-1	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate	50-55%
80-62-6	F - Highly flammable, Xi - Irritant R11-37/38-43	
607-035-00-6	Flam. Liq. 2, Skin Irrit. 2, Skin Sens. 1, STOT SE 3; H225 H315 H317 H335	
248-258-5	oxydipropyl dibenzoate	8-10%
27138-31-4	N - Dangerous for the environment R51-53	
	Aquatic Chronic 2; H411	
252-091-3	3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine	<2%
34562-31-7	Xn - Harmful, Xi - Irritant R21/22-36/38	
	Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H302 H312 H315 H319	

Full text of R-, H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

No information available.

#### After inhalation

If unconscious place in recovery position and seek medical advice.

#### After contact with skin

Take off immediately all contaminated clothing and wash it before reuse.

After contact with skin, wash immediately with plenty of water and soap. Call a doctor if you feel unwell.

#### After contact with eyes

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

#### After ingestion

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Never give anything by mouth to an unconscious person or a person with cramps.

### 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

No information available.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

In case of fire, use sand, extinguishing powder or alcohol resistant foam.

##### Unsuitable extinguishing media

Full water jet

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

Do not inhale explosion and combustion gases.

#### 5.3. Advice for firefighters

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

Do not allow water used to extinguish fire to enter drains or waterways.

### SECTION 6: Accidental release measures

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

Wear personal protection equipment (refer to section 8).

#### 6.2. Environmental precautions

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

#### 6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Ventilate affected area.

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

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

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

##### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.

##### Advice on storage compatibility

Do not store together with: Oxidising agent

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

No 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
80-62-6	Methyl methacrylate	50	208		TWA (8 h)	WEL
		100	416		STEL (15 min)	WEL

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#### 8.2. Exposure controls

##### Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

##### Protective and hygiene measures

General health and safety measures

##### Eye/face protection

Eye glasses with side protection (DIN EN 166)

##### Hand protection

Tested protective gloves must be worn (DIN EN 374):

Suitable gloves type: NBR (Nitrile rubber)

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.

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

Use appropriate respiratory protection. Filter material/medium A

### SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	white
Odour:	like: Acrylate

#### Test method

pH-Value: No information available.

##### Changes in the physical state

Melting point: No information available.

Initial boiling point and boiling range: No information available.

Sublimation point: No information available.

Softening point: No information available.

Pour point: No information available.

Flash point: 11 °C

##### Flammability

Solid: No information available.

Gas: No information available.

##### Explosive properties

No information available.

Lower explosion limits: No information available.

Upper explosion limits: No information available.

Ignition temperature: No information available.

##### Auto-ignition temperature

Solid: No information available.

Gas: No information available.

Decomposition temperature: No information available.

##### Oxidizing properties

No information available.

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Vapour pressure: No information available.

Density: No information available.

Water solubility: insoluble

#### Solubility in other solvents

No information available.

Partition coefficient: No information available.

Viscosity / dynamic: No information available.

Viscosity / kinematic: No information available.

Vapour density: No information available.

Evaporation rate: No information available.

Solvent separation test: No information available.

Solvent content: No information available.

#### 9.2. Other information

Solid content: No information available.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No information available.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

Danger of polymerisation

#### 10.4. Conditions to avoid

Keep away from heat. Protect against direct sunlight.

#### 10.5. Incompatible materials

Alkali metals  
Oxidising agent  
Strong acid  
strong alkalis  
Peroxide

#### 10.6. Hazardous decomposition products

Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide.  
Other

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

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

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
34562-31-7	3,5-Diethyl-1,2-dihydro-1-phenyl-2-propylpyridine				
	oral	ATE	500 mg/kg		
	dermal	ATE	1100 mg/kg		

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**Irritation and corrosivity**

Causes skin irritation.

**Sensitising effects**

May cause an allergic skin reaction. (methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate)

**STOT-single exposure**

May cause respiratory irritation. (methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate)

**Severe effects after repeated or prolonged exposure**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

**Aspiration hazard**

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

**SECTION 12: Ecological information****12.1. Toxicity**

There are no data available on the mixture itself.

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

No information available.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Consult the appropriate local waste disposal expert about waste disposal.

**Contaminated packaging**

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

**SECTION 14: Transport information****Land transport (ADR/RID)**

<b><u>14.1. UN number:</u></b>	UN 1133
<b><u>14.2. UN proper shipping name:</u></b>	Adhesives
<b><u>14.3. Transport hazard class(es):</u></b>	3
<b><u>14.4. Packing group:</u></b>	II
Hazard label:	3



Classification code: F1

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Special Provisions:	640D
Limited quantity:	5 L
Transport category:	2
Hazard No:	33
Tunnel restriction code:	D/E

**Other applicable information (land transport)**

E0

**Marine transport (IMDG)**

<b>14.1. UN number:</b>	UN 1133
<b>14.2. UN proper shipping name:</b>	Adhesives
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Hazard label:	3



Marine pollutant:	no
Special Provisions:	-
Limited quantity:	5 L
EmS:	F-E, S-D

**Other applicable information (marine transport)**

E2

**Air transport (ICAO)**

<b>14.1. UN number:</b>	UN 1133
<b>14.2. UN proper shipping name:</b>	Adhesives
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	II
Hazard label:	3



Special Provisions:	A3	
Limited quantity Passenger:	1 L	
IATA-packing instructions - Passenger:		353
IATA-max. quantity - Passenger:		5 L
IATA-packing instructions - Cargo:		364
IATA-max. quantity - Cargo:		60 L

**Other applicable information (air transport)**

E2

Passenger-LQ: Y341

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No information available.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No information available.

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#### SECTION 15: Regulatory information

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

###### EU regulatory information

2004/42/EC (VOC): No information available.

###### National regulatory information

Employment restrictions: Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class (D): 2 - water contaminating

##### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

#### SECTION 16: Other information

##### Relevant R-phrases (Number and full text)

- 11 Highly flammable.
- 21/22 Harmful in contact with skin and if swallowed.
- 36/38 Irritating to eyes and skin.
- 37/38 Irritating to respiratory system and skin.
- 43 May cause sensitisation by skin contact.
- 51 Toxic to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.

##### Relevant H- and EUH-phrases (Number and full text)

- H225 Highly flammable liquid and vapour.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

##### Further Information

No information available.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*