

according to Regulation (EC) No 1907/2006

**DINITROL 6070**

Revision date: 23.11.2020

Product code: 5009

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

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UFI: X2VE-E051-Y007-7CG5

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

Bodyfiller/stopper

**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:  
Flammable liquid: Flam. Liq. 3  
Skin corrosion/irritation: Skin Irrit. 2  
Serious eye damage/eye irritation: Eye Irrit. 2  
Reproductive toxicity: Repr. 2  
Specific target organ toxicity - repeated exposure: STOT RE 1  
Hazardous to the aquatic environment: Aquatic Chronic 3  
Hazard Statements:  
Flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of damaging the unborn child.  
Causes damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life with long lasting effects.

**2.2. Label elements****Regulation (EC) No. 1272/2008**

**Hazard components for labelling**  
styrene

**Signal word:** Danger

**Pictograms:**

**Hazard statements**

H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.

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H361d Suspected of damaging the unborn child.  
 H372 Causes damage to organs through prolonged or repeated exposure.  
 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.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 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+P235 Store in a well-ventilated place. Keep cool.

**Special labelling of certain mixtures**

EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

**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	
100-42-5	styrene	15 - < 20 %
	202-851-5	601-026-00-0
	Flam. Liq. 3, Repr. 2, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 1, Asp. Tox. 1, Aquatic Chronic 3; H226 H361d H332 H315 H319 H335 H372 H304 H412	
7727-43-7	Barium sulfate	5 - < 10 %
	231-784-4	01-2119491274-35
13463-67-7	Titanium dioxide	5 - < 10 %
	236-675-5	01-2119489379-17
	Carc. 2; H351	
14808-60-7	Silicon dioxide	< 0.1 %
	238-878-4	
	STOT RE 1; H372	
130-15-4	1,4-Naphthoquinone	< 0.1 %
	204-977-6	
	Acute Tox. 3, Acute Tox. 3, Skin Corr. 1C, Eye Irrit. 2, Skin Sens. 1, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H311 H301 H314 H319 H317 H335 H400 H410	

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

**Specific concentration limits and M-factors**

CAS No	EC No	Chemical name	Quantity
		Specific concentration limits and M-factors	
130-15-4	204-977-6	1,4-Naphthoquinone	< 0.1 %
		M akut; H400: M=10 M chron.; H410: M=10	

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**Further Information**

The homogeneous mixing of this product is controlled by continuous physical tests. Formerly dusty raw materials are completely integrated into the liquid/pasty mass. Possible AGW-values for solid substances are therefore not given, as there is no longer any risk of inhalation of these substances (when handling this mixture).

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

**After inhalation**

Provide fresh air. In case of irregular breathing or respiratory arrest provide artificial respiration.

If unconscious place in recovery position and seek medical advice.

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

**After contact with skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. If skin irritation occurs: Get medical advice/attention.

**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. In case of eye irritation consult an ophthalmologist.

**After ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Call a physician immediately. Put victim at rest, cover with a blanket and keep warm.

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

Nausea, Drowsiness, Headache.

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

No information available.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Extinguishing powder, Water fog.

**Unsuitable extinguishing media**

Full water jet

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

Hazardous decomposition products: Danger of serious damage to health by prolonged exposure.

Do not inhale explosion and combustion gases. Use appropriate respiratory protection.

**5.3. Advice for firefighters**

Use water spray jet to protect personnel and to cool endangered containers.

**Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation.

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Wear personal protection equipment.  
 Avoid contact with skin, eyes and clothes.  
 Avoid breathing dust/fume/gas/mist/vapours/spray.

**6.2. Environmental precautions**

Do not allow uncontrolled discharge of product into the environment.  
 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).  
 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**

If handled uncovered, arrangements with local exhaust ventilation have to be used.  
 If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.  
 Take precautionary measures against static discharges.  
 Vapours may form explosive mixtures with air.

**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.

**Hints on joint storage**

Do not store together with: Material, rich in oxygen, oxidizing.

**Further information on storage conditions**

Keep container tightly closed and in a well-ventilated place. Keep container dry.  
 Protect against direct sunlight.

**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
7727-43-7	Barium sulphate, inhalable dust	-	10		TWA (8 h)	WEL
100-42-5	Styrene	100	430		TWA (8 h)	WEL
		250	1080		STEL (15 min)	WEL
14807-96-6	Talc respirable dust	-	1		TWA (8 h)	WEL
13463-67-7	Titanium dioxide, respirable	-	4		TWA (8 h)	WEL

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**DNEL/DMEL values**

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
100-42-5	styrene		
Worker DNEL, acute	inhalation	local	289 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	systemic	306 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	local	85 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	local	406 mg/person/day
Consumer DNEL, acute	inhalation	local	182,75 mg/m <sup>3</sup>
Consumer DNEL, acute	inhalation	systemic	174,25 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	systemic	10,2 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	343 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	2,1 mg/kg bw/day
7727-43-7	Barium sulfate		
Worker DNEL, long-term	inhalation	systemic	10 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	local	10 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	systemic	10 mg/m <sup>3</sup>
Consumer DNEL, long-term	oral	systemic	13000 mg/kg bw/day
13463-67-7	Titanium dioxide		
Worker DNEL, long-term	inhalation	local	10 mg/m <sup>3</sup>
Consumer DNEL, long-term	oral	systemic	700 mg/kg bw/day

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### PNEC values

CAS No	Substance	Value
Environmental compartment		
100-42-5	styrene	
Freshwater		0,028 mg/l
Marine water		0,014 mg/l
Freshwater sediment		0,614 mg/kg
Marine sediment		0,307 mg/kg
Micro-organisms in sewage treatment plants (STP)		5 mg/l
Soil		0,2 mg/kg
7727-43-7	Barium sulfate	
Freshwater		0,115 mg/l
Micro-organisms in sewage treatment plants (STP)		62,2 mg/l
Freshwater sediment		600,4 mg/kg
Soil		207,7 mg/kg
13463-67-7	Titanium dioxide	
Freshwater		0,184 mg/l
Marine water		0,0184 mg/l
Freshwater sediment		1000 mg/kg
Marine sediment		100 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		100 mg/kg

### 8.2. Exposure controls

#### Protective and hygiene measures

- Keep away from food, drink and animal feedingstuffs.
- When using do not eat or drink.
- Wash hands before breaks and after work.
- Avoid contact with skin and eyes.
- Remove contaminated, saturated clothing immediately.
- Do not breathe gas/vapour/aerosol.

#### Eye/face protection

- Eye glasses with side protection (DIN EN 166)

#### Hand protection

- Tested protective gloves must be worn (EN ISO 374):
- FKM (fluoro rubber), Breakthrough time (maximum wearing time): 480 min.
- NBR (Nitrile rubber), Breakthrough time (maximum wearing time): 30 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.

#### 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: A

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**SECTION 9: Physical and chemical properties**

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

Physical state: Paste  
 Colour: dark grey  
 Odour: characteristic

**Test method**

pH-Value: not determined

**Changes in the physical state**

Melting point: not determined  
 Initial boiling point and boiling range: 145 °C  
 Flash point: 31 °C DIN 51755

**Flammability**

Solid: not applicable  
 Gas: not applicable

**Explosive properties**

not determined

Lower explosion limits: 1,2 vol. %  
 Upper explosion limits: 8,9 vol. %  
 Ignition temperature: 480 °C

**Auto-ignition temperature**

Solid: not applicable  
 Gas: not applicable

Decomposition temperature: not determined

**Oxidizing properties**

not determined

Vapour pressure: 6,7 hPa  
 (at 20 °C)

Density (at 20 °C): 1,80 g/cm<sup>3</sup> ISO 2811

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

**Solubility in other solvents**

not determined

Partition coefficient: not determined

Viscosity / dynamic: 120000 mPa·s  
 (at 20 °C)

Vapour density: not determined

Evaporation rate: not determined

Solvent separation test: <3 % (ADR/RID)

Solvent content: 13,5 %

**9.2. Other information**

Solid content: 86,5 %

No information available.

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**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**

In case of warming: Danger of polymerisation

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

Carbon monoxide

**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 route	Dose	Species	Source	Method
100-42-5	styrene				
	oral	LD50 2650 mg/kg	Rat	GESTIS	
	inhalation (4 h) vapour	LC50 12 mg/l	Rat		
	inhalation aerosol	ATE 1,5 mg/l			
7727-43-7	Barium sulfate				
	oral	LD50 > 15000 mg/kg	Rat		
130-15-4	1,4-Naphthoquinone				
	oral	LD50 190 mg/kg	Rat	GESTIS	
	dermal	LD50 202 mg/kg	Rat		
	inhalation (4 h) aerosol	LC50 46 mg/l	Rat		

**Irritation and corrosivity**

Causes skin irritation.

Causes serious eye irritation.

**Sensitising effects**

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

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

Suspected of damaging the unborn child. (styrene)

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

**STOT-single exposure**

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



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**STOT-repeated exposure**

Causes damage to organs through prolonged or repeated exposure. (styrene)

**Aspiration hazard**

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

**Further information**

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

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

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
7727-43-7	Barium sulfate					
	Acute crustacea toxicity	EC50 32 mg/l	48 h	Daphnia magna (Big water flea) Daphnia magna (Big water flea)		
130-15-4	1,4-Naphthoquinone					
	Acute algae toxicity	ErC50 mg/l 0,011	72 h	alga		

**12.2. Persistence and degradability**

There are no data available on the mixture itself.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
100-42-5	styrene			
		70,9%	28	
	Readily biodegradable (according to OECD criteria).			

**12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
100-42-5	styrene	2,96
130-15-4	1,4-Naphthoquinone	1,71

**12.4. Mobility in soil**

There are no data available on the mixture itself.

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

not applicable

**12.6. 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.

**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:

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

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other 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 1866  
**14.2. UN proper shipping name:** Resin solution  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 640E  
 Limited quantity: 5 L  
 Transport category: 3  
 Hazard No: 30  
 Tunnel restriction code: D/E

**Other applicable information (land transport)**

E1  
 No good of class 3 according to ADR/RID chapter 2.2.3.1.5

**Marine transport (IMDG)**

**14.1. UN number:** UN 1866  
**14.2. UN proper shipping name:** Resin solution  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
 Hazard label: 3



Marine pollutant: no  
 Special Provisions: 223, 955  
 Limited quantity: 5 L  
 EmS: F-E, S-E

**Other applicable information (marine transport)**

E1  
 Transport in accordance with paragraph 2.3.2.5 of the IMDG Code.

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

<b>14.1. UN number:</b>	UN 1866
<b>14.2. UN proper shipping name:</b>	Resin solution
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	III
Hazard label:	3



Special Provisions:	A3	
Limited quantity Passenger:	10 L	
IATA-packing instructions - Passenger:		355
IATA-max. quantity - Passenger:		60 L
IATA-packing instructions - Cargo:		366
IATA-max. quantity - Cargo:		220 L

#### Other applicable information (air transport)

E1  
Passenger-LQ: Y344

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

### 14.6. Special precautions for user

Warning: Flammable liquids

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

## 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

2004/42/EC (VOC):	13,5 % (< 250 g/l)
Subcategory according to Directive 2004/42/EC:	Bodyfiller/stopper - All types, VOC limit value: 250 g/l

#### 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

#### 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): 2 - obviously hazardous to water

### 15.2. Chemical safety assessment

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

## SECTION 16: Other information

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### Changes

This data sheet contains changes from the previous version in section(s): 1,2,3.

### 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%

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

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Repr. 2; H361d	Calculation method
STOT RE 1; H372	Calculation method
Aquatic Chronic 3; H412	Calculation method

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

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs (hearing organs) through prolonged or repeated exposure if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
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.
EUH212	Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

### 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.)*