

## Safety Data Sheet

according to WHMIS

### DINITROL 6050 PLUS

Revision date: 20.11.2024

Product code: 5330

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## 1. Identification

### Product identifier

DINITROL 6050 PLUS

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

#### Use of the substance/mixture

Bodyfiller/stopper

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

#### Manufacturer

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

Telefax: + 49 (0) 5281 9829860

#### Supplier

Company name: DINOL U.S. Inc.  
Street: 8500 Cotter Street, Lewis Center  
Place: USA-43035 Ohio  
Telephone: 740-548-1656  
E-mail: info@dinolus.com  
Internet: www.dinol.com

Telefax: 740-548-1657

**Emergency telephone number:** 3E Company Emergency +1-866-404-4230

## 2. Hazard identification

### Classification of the substance or mixture

#### WHMIS 2015

Flammable liquids: 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

### Label elements

#### WHMIS 2015

**Signal word:** Danger

**Pictograms:**



#### Hazard statements

Flammable liquid and vapour.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of damaging fertility or the unborn child.  
Causes damage to organs through prolonged or repeated exposure.

#### Precautionary statements

Obtain special instructions before use.

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Do not handle until all safety precautions have been read and understood.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Keep container tightly closed.  
Ground and bond container and receiving equipment.  
Use explosion-proof electrical/ventilating/lighting equipment.  
Use non-sparking tools.  
Take action to prevent static discharges.  
Do not breathe dust/fume/gas/mist/vapours/spray.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves and eye protection/face protection.  
IF ON SKIN: Wash with plenty of water.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
Take off contaminated clothing and wash it before reuse.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
IF exposed or concerned: Get medical advice/attention.  
In case of fire: Use water to extinguish.  
Store in a well-ventilated place. Keep cool.  
Store locked up.

### Other hazards

Endocrine disrupting properties: styrene.  
No information available.

## 3. Composition/information on ingredients

### Mixtures

#### Hazardous components

CAS No	Chemical name	Quantity
100-42-5	styrene	10 - < 30% (*)
13463-67-7	titanium dioxide	1 - < 5% (*)

(\*) The actual concentration is withheld as a trade secret.

#### 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).

## 4. First-aid measures

### 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 but breathing normally, 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.

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**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.

**Most important symptoms and effects, whether acute or delayed**

Nausea, Dizziness, Headache.

**Indication of immediate medical attention and special treatment needed**

No information available.

**5. Fire-fighting measures****Extinguishing media****Suitable extinguishing media**

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

**Unsuitable extinguishing media**

Full water jet

**Specific hazards arising from the hazardous product**

Hazardous decomposition products: Danger of serious damage to health by prolonged exposure. Do not inhale explosion and combustion gases. Use appropriate respiratory protection.

**Special protective equipment and precautions for fire-fighters**

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

**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.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures****General advice**

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

**For emergency responders**

For further specification, refer to section 8 of the SDS.

**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.

**Methods and material for containment and cleaning up****For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).  
Treat the recovered material as prescribed in the section on waste disposal.

**For cleaning up**

Provide adequate ventilation.  
Clear contaminated areas thoroughly.  
Do not rinse down with water.

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### Other information

No information available.

### Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## 7. Handling and storage

### 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.

#### Advice on general occupational hygiene

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.

### 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 from direct sunlight.

storage temperature: 15 - 25 °C

## 8. Exposure controls/Personal protection

### Control parameters

### Exposure limits (ACGIH)

CAS No	Chemical name	ppm	mg/m <sup>3</sup>	F/ml	Category	Origin
7727-43-7	Barium sulfate (inhalable fraction)		5		TWA (8 h)	ACGIH-2024
100-42-5	Styrene	10			TWA (8 h)	ACGIH-2024
		20			STEL (15 min)	ACGIH-2024
14807-96-6	Talc containing no asbestos fibers (respirable fraction)		2		TWA (8 h)	ACGIH-2024
13463-67-7	Titanium dioxide: Finescale particles (Respirable particulate matter)		0.2		TWA (8 h)	ACGIH-2024

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#### Biological limit values

CAS No	Chemical name	Parameter	Value	Test material	Sampling time
100-42-5	Styrene (ACGIH 2024)	Mandelic acid plus phenylglyoxylic acid (creatinine)	150 mg/g	urine	End of shift

#### Exposure controls



#### Appropriate engineering controls

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Eye glasses with side protection (EN 166)

##### Hand protection

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

FKM (fluoro rubber), Breakthrough time:: 480 min.

NBR (Nitrile rubber), Breakthrough 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

## 9. Physical and chemical properties

#### Information on basic physical and chemical properties

Physical state:	Paste
Colour:	yellow - brown
Odour:	characteristic
Odour threshold:	not determined

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	145 °C
Flammability	

Solid/liquid:	not applicable
Lower explosive limits:	1,2 vol. %
Upper explosive limits:	8,9 vol. %

Flash point:	31 °C	DIN 51755
Auto-ignition temperature:	480 °C	
Decomposition temperature:	not determined	

#### Test method

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pH-Value: not determined

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 n-octanol/water: not determined

Vapour pressure: 6,7 hPa  
(at 20 °C)

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

Relative vapour density: not determined

### Other information

#### Information with regard to physical hazard classes

Explosive properties  
not determined

Self-ignition temperature

Solid: not applicable

Gas: not applicable

Oxidizing properties  
not determined

#### Other safety characteristics

Evaporation rate: not determined

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

Solvent content: 13,40 %

Solid content: 86,60 %

Viscosity / dynamic: 110000 - 130000 mPa·s  
(at 20 °C)

#### Further Information

No information available.

## 10. Stability and reactivity

### Reactivity

No hazardous reaction when handled and stored according to provisions.

### Chemical stability

The product is stable under storage at normal ambient temperatures.

### Possibility of hazardous reactions

No known hazardous reactions.

### Conditions to avoid

In case of warming: Danger of polymerisation

### Incompatible materials

No information available.

### Hazardous decomposition products

Carbon monoxide

## 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

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

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### ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

CAS No	Chemical name				
	Route of exposure	Dose	Species	Source	Method
100-42-5	styrene				
	oral	LD50 > 5000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rat		
	inhalation (4 h) vapour	LC50 11,8 mg/l	Rat		
	inhalation dust/mist	ATE 1,5 mg/l			
13463-67-7	titanium dioxide				
	oral	LD50 > 20000 mg/kg	Rat		
	dermal	LD50 > 10000 mg/kg	Rabbit		

### Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

### Sensitizing effects

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

### Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of damaging fertility or the unborn child.

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.

### 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.

### Information on other hazards

#### Endocrine disrupting properties

Endocrine disrupting properties: styrene.

Endocrine disrupting potential No information available.

### Further information

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

## 12. Ecological information

### Persistence and degradability

There are no data available on the mixture itself.

### Bioaccumulative potential

There are no data available on the mixture itself.

### Mobility in soil

There are no data available on the mixture itself.

### Endocrine disrupting properties

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This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 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.

### 13. Disposal considerations

#### 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:

##### **Contaminated packaging**

Remove according to the regulations.

### 14. Transport information

#### **Canadian TDG**

**UN number:** UN 1866  
**Proper shipping name:** Resin solution  
**Hazard classes:** 3  
**Packing group:** III  
Hazard label: 3  
Limited quantity: 5 L



#### **Marine transport (IMDG)**

**UN number or ID number:** UN 1866  
**United Nations proper shipping name:** RESIN SOLUTION  
**Transport hazard class(es):** 3  
**Packing group:** III  
Hazard label: 3



Marine pollutant: no  
Special Provisions: 223, 955  
Limited quantity: 5 L  
Excepted quantity: E1  
EmS: F-E, S-E

#### **Other applicable information (marine transport)**

E1

Transport in accordance with paragraph 2.3.2.5 of the IMDG Code.

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

**UN number or ID number:** UN 1866  
**United Nations proper shipping name:** RESIN SOLUTION  
**name:**



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**Transport hazard class(es):** 3  
**Packing group:** III  
**Hazard label:** 3



**Special Provisions:** A3  
**Limited quantity Passenger:** 10 L  
**Passenger LQ:** Y344  
**Excepted quantity:** E1  
**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

#### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

## 15. Regulatory information

### Canadian regulations

#### DSL/NDSL inventory status

Substance/product listed in the following inventories: DSL/NDSL

#### WHMIS classification

#### Additional information

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

## 16. Other information

### Changes

This data sheet contains changes from the previous version in section(s): 16.

### 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%

### 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.

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