

**Safety Data Sheet**

according to UK REACH Regulation

**DINITROL 7660**

Revision date: 22.11.2024

Product code: 87660

Page 1 of 12

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

DINITROL 7660

UFI: G0ST-27XK-U00T-WMDG

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

detergent

**Uses advised against**

No information available.

**1.3. 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      Telefax: + 49 (0) 5281 9829860  
E-mail: msds@dinol.com  
Contact person: Labor  
Responsible Department: msds@dinol.com

**Supplier**

Company name: Leading Solvent Supplies Limited  
Street: Marston Business Park, Rudgate  
Place: GB Tockwith, York YO26 7QF  
E-mail: enquiries@leading-solvents.co.uk  
Internet: www.leading-solvents.co.uk

**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****GB CLP Regulation**

Flam. Liq. 2; H225  
Asp. Tox. 1; H304  
STOT SE 3; H336  
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****GB CLP Regulation****Hazard components for labelling**

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

Signal word: Danger

**Pictograms:****Hazard statements**

H225 Highly flammable liquid and vapour.

**Safety Data Sheet**

according to UK REACH Regulation

**DINITROL 7660**

Revision date: 22.11.2024

Product code: 87660

Page 2 of 12

H304 May be fatal if swallowed and enters airways.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic 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.  
 P243 Take action to prevent static discharges.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P405 Store locked up.

**Special labelling of certain mixtures**

Restricted to professional users.

**Labelling of packages where the contents do not exceed 125 ml**
**Signal word:** Danger

**Pictograms:**

**Hazard statements**

H304

**Precautionary statements**

P301+P310-P405

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients**
**3.2. Mixtures**
**Relevant ingredients**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics			50-100%
	920-750-0		01-2119473851-33	
	Flam. Liq. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H336 H304 H411			
108-65-6	2-methoxy-1-methylethyl acetate			2,5 - < 10 %
	203-603-9	607-195-00-7		
	Flam. Liq. 3; H226			
64-17-5	ethanol, ethyl alcohol			< 2,5 %
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			

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

**Safety Data Sheet**

according to UK REACH Regulation

**DINITROL 7660**

Revision date: 22.11.2024

Product code: 87660

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	
	920-750-0	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics	50-100%
		inhalation: LC50 = >20 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg	
108-65-6	203-603-9	2-methoxy-1-methylethyl acetate	2,5 - < 10 %
		dermal: LD50 = 7500 mg/kg; oral: LD50 = 8532 mg/kg	
64-17-5	200-578-6	ethanol, ethyl alcohol	< 2,5 %
		inhalation: LC50 = 20000 mg/l (vapours); oral: LD50 = 7060 mg/kg Eye Irrit. 2; H319: >= 50 - 100	

**Further Information**

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

**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.

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

If unconscious but breathing normally, place in recovery position and seek medical advice.

**After inhalation**

Provide fresh air. If unconscious but breathing normally, place in recovery position and seek medical advice.

**After contact with skin**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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

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

May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking. May be fatal if swallowed and enters airways.

**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**

 Carbon dioxide (CO<sub>2</sub>), Extinguishing powder. Water spray jet In case of fire: Use foam to extinguish.

**Unsuitable extinguishing media**

Full water jet

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

No information available.

**5.3. Advice for firefighters**

Self-contained respirator (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 UK REACH Regulation

**DINITROL 7660**

Revision date: 22.11.2024

Product code: 87660

Page 4 of 12

**SECTION 6: Accidental release measures****6.1. 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.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

**6.3. 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.

**Other information**

No information available.

**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**

- Keep container tightly closed in a cool, well-ventilated place.
- If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.
- Avoid: aerosol or mist formation

**Advice on protection against fire and explosion**

- Keep away from sources of ignition - No smoking.
- Take precautionary measures against static discharges.

**Advice on general occupational hygiene**

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

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

- Keep in a cool, well-ventilated place.

**Hints on joint storage**

- Not required.

**Safety Data Sheet**

according to UK REACH Regulation

**DINITROL 7660**

Revision date: 22.11.2024

Product code: 87660

Page 5 of 12

**Further information on storage conditions**

Keep container tightly closed.  
Store in a cool dry place.

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

detergent

**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
108-65-6	1-Methoxypropyl acetate	50	274		TWA (8 h)	WEL
		100	548		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL

**DNEL/DMEL values**

CAS No	Substance	Exposure route	Effect	Value
	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics			
	Worker DNEL, long-term	dermal	systemic	773 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	2035 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	699 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	699 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	608 mg/m <sup>3</sup>
64-17-5	ethanol, ethyl alcohol			
	Worker DNEL, long-term	inhalation	systemic	950 mg/m <sup>3</sup>
	Worker DNEL, acute	inhalation	local	1900 mg/m <sup>3</sup>
	Worker DNEL, long-term	dermal	systemic	343 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	114 mg/m <sup>3</sup>
	Consumer DNEL, acute	inhalation	local	950 mg/m <sup>3</sup>
	Consumer DNEL, long-term	dermal	systemic	206 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	87 mg/kg bw/day

**PNEC values**

CAS No	Substance	Value
	Environmental compartment	
64-17-5	ethanol, ethyl alcohol	
	Freshwater	0,96 mg/l
	Marine water	0,79 mg/l
	Freshwater sediment	3,6 mg/kg
	Marine sediment	2,9 mg/kg
	Secondary poisoning	0,72 mg/kg
	Micro-organisms in sewage treatment plants (STP)	580 mg/l
	Soil	0,63 mg/kg

**8.2. Exposure controls**

**Safety Data Sheet**

according to UK REACH Regulation

**DINITROL 7660**

Revision date: 22.11.2024

Product code: 87660

Page 6 of 12


**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) penetration time (maximum wearing period): 480 min.

NBR (Nitrile rubber) penetration time (maximum wearing period): 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.

**Skin protection**

Wear anti-static footwear and clothing

**Respiratory protection**

Work in well-ventilated zones or use proper respiratory protection.

**SECTION 9: Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

Physical state:	Liquid	
Colour:	colourless	
Odour:	characteristic	
Odour threshold:	not determined	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		100 °C
Flammability:		not applicable
Lower explosion limits:		0,8 vol. %
Upper explosion limits:		6,5 vol. %
Flash point:		-1 °C
Auto-ignition temperature:		250 °C
Decomposition temperature:		not determined
pH-Value:		not determined
Viscosity / kinematic:		not determined
Water solubility:		immiscible
Solubility in other solvents		not determined
Partition coefficient n-octanol/water:		not determined
Vapour pressure:		45 hPa
(at 20 °C)		
Density (at 20 °C):		0,724 g/cm <sup>3</sup>
Relative vapour density:		not determined
Particle characteristics:		not applicable

**Safety Data Sheet**

according to UK REACH Regulation

**DINITROL 7660**

Revision date: 22.11.2024

Product code: 87660

Page 7 of 12

**9.2. Other information**
**Information with regard to physical hazard classes**

Explosive properties

In use, may form flammable/explosive vapour-air mixture.

Self-ignition temperature

Solid:

not applicable

Gas:

not applicable

Oxidizing properties

not determined

**Other safety characteristics**

Evaporation rate:

not determined

Solvent content:

100,00 %

Solid content:

0,0%

Softening point:

not determined

**Further Information**

No information available.

**SECTION 10: Stability and reactivity**
**10.1. Reactivity**

The product is stable under storage at normal ambient temperatures.

**10.2. Chemical stability**

No information available.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

No information available.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

No information available.

**SECTION 11: Toxicological information**
**11.1. Information on hazard classes as defined in GB CLP Regulation**
**Acute toxicity**

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

**ATEmix calculated**

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

**Safety Data Sheet**

according to UK REACH Regulation

**DINITROL 7660**

Revision date: 22.11.2024

Product code: 87660

Page 8 of 12

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 >20 mg/l	Rat		
108-65-6	2-methoxy-1-methylethyl acetate				
	oral	LD50 8532 mg/kg	Rat	RTECS	
	dermal	LD50 7500 mg/kg	Rabbit		
64-17-5	ethanol, ethyl alcohol				
	oral	LD50 7060 mg/kg	Rat		
	inhalation (4 h) vapour	LC50 20000 mg/l	Rat		

**Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

**Sensitising effects**

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

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

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

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

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

**STOT-single exposure**

May cause drowsiness or dizziness. (Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics)

**STOT-repeated exposure**

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

**Aspiration hazard**

May be fatal if swallowed and enters airways.

**Information on likely routes of exposure**

No information available.

**Specific effects in experiment on an animal**

No information available.

**Additional information on tests**

No information available.

**Practical experience**

No information available.

**11.2. Information on other hazards**
**Endocrine disrupting properties**

Endocrine disrupting potential No information available.

**Further information**

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

**SECTION 12: Ecological information**

**Safety Data Sheet**

according to UK REACH Regulation

**DINITROL 7660**

Revision date: 22.11.2024

Product code: 87660

Page 9 of 12

**12.1. Toxicity**

Toxic to aquatic life with long lasting effects.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
	Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics					
	Acute fish toxicity	LC50 mg/l	1-10	96 h	fish	
	Acute crustacea toxicity	EC50 mg/l	1-10	48 h	Daphnia magna (Big water flea)	
108-65-6	2-methoxy-1-methylethyl acetate					
	Acute fish toxicity	LC50	161 mg/l	96 h	Pimephales promelas	
	Acute crustacea toxicity	EC50	408 mg/l	48 h	Daphnia magna	

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
108-65-6	2-methoxy-1-methylethyl acetate	0,43

**12.4. Mobility in soil**

No information available.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

**12.6. Endocrine disrupting properties**

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

**12.7. Other adverse effects**

No information available.

**Further information**

There are no data available on the mixture itself.

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**
**Disposal recommendations**

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

Dispose of waste according to applicable legislation.

**Contaminated packaging**

Consult the appropriate authorities about waste disposal.

**SECTION 14: Transport information**
**Land transport (ADR/RID)**
**14.1. UN number or ID number:**

UN 3295

**14.2. UN proper shipping name:**

HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light), MARINE POLLUTANT

**14.3. Transport hazard class(es):**

3

**14.4. Packing group:**

II

**Safety Data Sheet**

according to UK REACH Regulation

**DINITROL 7660**

Revision date: 22.11.2024

Product code: 87660

Page 10 of 12

Hazard label: 3


 Classification code: E2  
 Limited quantity: 1 L  
 Transport category: 2  
 Hazard No: 33  
 Tunnel restriction code: D/E

**Other applicable information (land transport)**  
 E2

**Inland waterways transport (ADN)**

**14.1. UN number or ID number:** UN 3295  
**14.2. UN proper shipping name:** HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light), MARINE POLLUTANT

**Marine transport (IMDG)**

**14.1. UN number or ID number:** UN 3295  
**14.2. UN proper shipping name:** HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light), MARINE POLLUTANT  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



Marine pollutant: yes  
 Special Provisions: -  
 Limited quantity: 1 L  
**Other applicable information (marine transport)**  
 E2

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

**14.1. UN number or ID number:** UN 3295  
**14.2. UN proper shipping name:** HYDROCARBONS, LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated light), MARINE POLLUTANT  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



Limited quantity Passenger: 1 L  
**Other applicable information (air transport)**

E2

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: Naphtha (petroleum), hydrotreated light

**14.6. Special precautions for user**

## Safety Data Sheet

according to UK REACH Regulation

### DINITROL 7660

Revision date: 22.11.2024

Product code: 87660

Page 11 of 12

Warning!

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

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, Entry 40, Entry 75

Directive 2004/42/EC on VOC in paints and varnishes: 100 % (750 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): 1 - slightly hazardous to water

##### 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

#### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 6,8,14,16.

#### Abbreviations and acronyms

Flam. Liq: Flammable liquids

Asp. Tox: Aspiration hazard

Eye Irrit: Eye irritation

STOT SE: Specific target organ toxicity - single exposure

Aquatic Chronic: Chronic aquatic hazard

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 UK REACH Regulation

### DINITROL 7660

Revision date: 22.11.2024

Product code: 87660

Page 12 of 12

#### Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Asp. Tox. 1; H304	Calculation method
STOT SE 3; H336	Calculation method
Aquatic Chronic 2; H411	Calculation method

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

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

#### 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.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

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