

# SAFETY DATA SHEET

<b>Version:</b>	1.1
<b>Revision Date:</b>	2016-04-15
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

<b>Product Number:</b>	M0311
<b>Product name:</b>	Meptyldinocap
<b>CAS Registry Nr:</b>	131-72-6

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

Laboratory chemicals, Manufacture of substances.

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

<b>Company:</b>	Chemodex AG
	CH - 9000 St. Gallen
	Switzerland, Europe
	Tel: +41 71 244 48 25
	Fax: +41 71 244 48 26
	Email: info@chemodex.com
	Website: www.chemodex.com

### 1.4 Emergency telephone number

<b>Tox Info Suisse:</b>	+41 44 251 51 51
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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification in accordance with (EC) No. 1272/2008 [EU-GHS/CLP]

Acute toxicity, Oral (Category 4)	H302
Acute toxicity, Inhalation (Category 4)	H332
Skin irritation (Category 2)	H315
Skin sensitisation (Category 1)	H317
Reproductive toxicity (Category 1B)	H360D

Specific target organ toxicity - repeated exposure, Oral (Category 2)	H373
Acute aquatic toxicity (Category 1)	H400
Chronic aquatic toxicity (Category 1)	H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

T, N Toxic, Dangerous for the environment R61, R20/22, R38, R43, R48/22, R50/53

For the full text of the R-phrases mentioned in this Section, see Section 16.

2.2 Label elements

**Labelling according Regulation (EC) No. 1272/2008**

Pictogram	
Signal word	Danger

**Hazard statement(s)**

H302+H332	Harmful if swallowed or if inhaled
H315	Causes skin irritation
H317	May cause an allergic skin reaction.
H360D	May damage the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure if swallowed.
H410	Very toxic to aquatic life with long lasting effects.

**Precautionary statement(s)**

P201	Obtain special instructions before use.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P308+P313	IF exposed or concerned: Get medical advice/ attention.
P501	Dispose of contents/ container to an approved waste disposal plant.

Supplemental Hazard Statements none  
 Restricted to professional users.

2.3 Other hazards none

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**SECTION 3: Composition/information on ingredients**

3.1 Substances

<b>Synonyms:</b>	(2-(1-Methylheptyl)-4,6-dinitrophenyl (2E)-2-butenoate (RS)-2-(1-Methylheptyl)-4,6-dinitrophenyl crotonate
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<b>Mol. Formula:</b>	C18H24N2O6
<b>Mol. Weight:</b>	364,39 g/mol
<b>CAS Registry No.:</b>	131-72-6

#### Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
<b>Mixture of 2,4-dinitro-6-octylphenyl crotonate and 2,6-dinitro-4-octylphenyl crotonate</b>	CAS-No. 131-72-6  Acute Tox. 4; Skin Irrit. 2; Skin Sens. 1; Repr. 1B; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1; H302 + H332, H315, H317, H360D, H373, H410	<= 100 %

#### Hazardous ingredients according to Directive 1999/45/EC

Component	Classification	Concentration
<b>Mixture of 2,4-dinitro-6-octylphenyl crotonate and 2,6-dinitro-4-octylphenyl crotonate</b>	CAS-No. 131-72-6  T, N, R61 - R20/22 - R38 - R43 - R48/22 - R50/53	<= 100 %

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

##### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

##### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

##### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

##### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

No data available

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Carbon oxides, nitrogen oxides (NO<sub>x</sub>).

### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### 5.4 Further information

No data available

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## SECTION 6: Accidental release measures

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. For precautions see section 2.2.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which

are opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage temperature: 2 - 8 °C

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Components with workplace control parameters

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

a) **Appearance:** Form: liquid

		Color: yellow to brown
b)	<b>Odour:</b>	characteristic
c)	<b>Odour Threshold:</b>	No data available
d)	<b>pH:</b>	No data available
e)	<b>Melting point/freezing point:</b>	-22,5 °C
f)	<b>Boiling point and boiling range:</b>	138 - 140 °C at 0,07 hPa
g)	<b>Flash point:</b>	No data available
h)	<b>Evaporation rate:</b>	No data available
i)	<b>Flammability (solid, gas):</b>	No data available
j)	<b>Upper/lower flammability or explosive limits:</b>	No data available
k)	<b>Vapour pressure:</b>	No data available
l)	<b>Vapour density:</b>	No data available
m)	<b>Relative density:</b>	1,10 g/cm <sup>3</sup> at 20 °C
n)	<b>Water solubility:</b>	0,00025 g/l at 20 °C - practically insoluble
o)	<b>Partition coefficient (n-octanol/water):</b>	log Pow: 4,54 at 20 °C
p)	<b>Auto-ignition temperature:</b>	No data available
q)	<b>Decomposition temperature:</b>	No data available
r)	<b>Viscosity:</b>	No data available
s)	<b>Explosive properties:</b>	No data available
t)	<b>Oxidizing properties:</b>	No data available

## 9.2 Other safety information

No data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Exposure to light. Avoid heating above: 30°C.

### 10.5 Incompatible materials

Strong oxidizing agents.

### 10.6 Hazardous decomposition products

In the event of fire: see section 5.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

LD50 Oral - rat - female - 1.212 mg/kg

LC50 Inhalation - rat - 4 h - > 3 mg/l

LD50 Dermal - rabbit - > 2.000 mg/kg

#### Skin corrosion/irritation

Skin - rabbit

Result: irritating

#### Serious eye damage/eye irritation

Eyes - rabbit

Result: Mild eye irritation

#### Respiratory or skin sensitisation

- guinea pig

Result: May cause sensitisation by skin contact.

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### Reproductive toxicity

Experiments have shown reproductive toxicity effects on laboratory animals. Presumed human reproductive toxicant May damage the unborn child.

#### Specific target organ toxicity - single exposure

No data available

#### Specific target organ toxicity - repeated exposure

Ingestion - May cause damage to organs through prolonged or repeated exposure.

#### Aspiration hazard

No data available

#### Additional Information

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish	LC50 - Lepomis macrochirus (Bluegill sunfish) - 0,062 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia - 0,0041 mg/l - 48 h
Toxicity to algae	EbC50 - Pseudokirchneriella subcapitata - 4,6 mg/l - 72 h

### 12.2 Persistence and degradability

Biodegradability	Result: - rapidly biodegradable
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### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

### 12.6 Other adverse effects

Very toxic to aquatic life with long lasting effects.

No data available

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

#### Contaminated packaging

Dispose of as unused product.

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## SECTION 14: Transport information

### 14.1 UN number

ADR/RID: 3082

IMDG: 3082

IATA: 3082

### 14.2 UN proper shipping name

ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Mixture of 2,4-dinitro-6-octylphenyl crotonate and 2,6-dinitro-4-octylphenyl crotonate)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Mixture of 2,4-dinitro-6-octylphenyl crotonate and 2,6-dinitro-4-octylphenyl crotonate)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Mixture of 2,4-dinitro-6-octylphenyl crotonate and 2,6-dinitro-4-octylphenyl crotonate)

### 14.3 Transport hazard class(es)

ADR/RID: 9

IMDG: 9

IATA: 9

### 14.4 Packaging group

ADR/RID: III

IMDG: III

IATA: III

### 14.5 Environmental hazards

ADR/RID: yes

IMDG Marine pollutant: yes

IATA: yes

### 14.6 Special precautions for user

#### Further information

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.



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## SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

No data available

### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

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## SECTION 16: Other information

### Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
H302	Harmful if swallowed
H302 + H332	Harmful if swallowed or if inhaled
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H332	Harmful if inhaled
H360D	May damage the unborn child
H373	May cause damage to organs through prolonged or repeated exposure if swallowed
H400	Very toxic to aquatic life

### Full text of R-phrases referred to under sections 2 and 3

N	Dangerous for the environment
T	Toxic
R20/22	Harmful by inhalation and if swallowed
R38	Irritating to skin
R43	May cause sensitisation by skin contact
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R61	May cause harm to the unborn child

### Further information

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The above information is believed to be correct but shall not be taken as being all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Chemodex Ltd. and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.chemodex.com](http://www.chemodex.com) and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.