



BE SURE. BUILD SURE.

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## Safety Data Sheet according to P.U.(A) 310/2013

Printing date 10.12.2024


Version number 46

Revision: 07.12.2024

### 1 Identification of the hazardous chemical and of the supplier

- **Product identifier**
- **Trade name** Ortolan Premium 702
- **Recommended use of the chemical and restrictions on use** No further relevant information available.
- **Application of the substance / the mixture** Coating
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** MC-Bauchemie Müller GmbH & Co. KG  
Am Kruppwald 1-8  
D-46238 Bottrop  
Tel.: +49(0)2041-101-0  
Fax.: +49(0)2041-101-400  
E-Mail: info@mc-bauchemie.de  
  
MC-Bauchemie AG  
Hagackerstr. 10  
CH-8953 Dietikon  
Tel.: +44-7400510  
Fax : +44-7400533
- **Informing department:** msds@mc-bauchemie.de

### 2 Hazard identification

- **Classification of the substance or mixture**  
Flam. Liq. 3 H226 Flammable liquid and vapour.  
Skin Irrit. 2 H315 Causes skin irritation.  
Eye Irrit. 2 H319 Causes serious eye irritation.  
Asp. Haz. H304 May be fatal if swallowed and enters airways.  
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**  
  
GHS02 GHS07 GHS08
- **Signal word** Danger
- **Hazard-determining components of labelling:** decane  
Distillates (petroleum), hydrotreated light naphthenic  
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based Baseoil
- **Hazard statements** H226 Flammable liquid and vapour.  
H315 Causes skin irritation.

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- **Precautionary statements**
  - H319 Causes serious eye irritation.
  - H304 May be fatal if swallowed and enters airways.
  - H412 Harmful to aquatic life with long lasting effects.
  - P210 Keep away from heat/sparks/open flames/hot surfaces – No smoking.
  - P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
  - P321 Specific treatment (see on this label).
  - P331 Do NOT induce vomiting.
  - P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/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.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition and information of the ingredients of the hazardous chemical

- **Chemical characterisation: Mixtures**
- **Description:** Mixture consisting of the following components.

· **Dangerous components:**

CAS: 124-18-5	decane Flam. Liq. 3, H226; Asp. Haz., H304	60-80%
	Phosphorsäure. Ester with Alcohols, C11-14, iso, C13 rich Skin Corr. 1, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411	≥2.5-<3%
CAS: 90194-49-3	Benzolsulfonsäure, Mono-C15-36-verzweigte Alkylderivate, Calciumsalze Skin Sens. 1, H317	≥0.1-<0.5%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

### 4 First-aid measures

- **Description of first aid measures**
- **After inhalation** Take the person out into the fresh air.
- **After skin contact** Remove contaminated clothing immediately. Clean with plenty of soap and water. Do not use thinner or similar.
- **After eye contact** Rinse for 10 minutes under running water with the eyelids open or use eye rinsing solution. Always consult an ophthalmologist!
- **After swallowing** If swallowed, there is a risk of serious lung damage: hospitalisation necessary!  
Do not induce vomiting, do not give anything to drink.

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· **Information for doctor**

*Risk of pulmonary oedema or pneumonitis in case of aspiration*

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### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** *CO<sub>2</sub>, sand, extinguishing powder. Do not use water.*
- **For safety reasons unsuitable extinguishing agents**
  - Water.*
  - Water with a full water jet.*
- **Special hazards arising from the substance or mixture** *No further relevant information available.*
- **Advice for firefighters**
- **Protective equipment:** *No special measures required.*

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** *Wear protective equipment. Keep unprotected persons away.*
- **Environmental precautions:** *Inform respective authorities in case product reaches water or sewage system.*
- **Methods and material for containment and cleaning up:** *Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents*
- **Reference to other sections** *See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.*

### 7 Handling and storage

- **Handling**
- **Precautions for safe handling** *No special measures required.  
No special precautions necessary if used correctly.*
- **Information about protection against explosions and fires:** *Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.*
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** *Store containers tightly closed in a well-ventilated and well-lit room.  
Access only for authorised personnel.  
Do not store in break rooms, recreation rooms or sanitary facilities or in stairwells, corridors, escape and rescue routes, passageways, thoroughfares and confined spaces.*

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- **Information about storage in one common storage facility:** *Combined storage bans apply from a total storage quantity of 200 kg.*
- **Further information about storage conditions:** *Keep container tightly closed in a well-ventilated place.*
- **Storage class** *3*

### 8 Exposure controls and personal protection

- **Additional information about design of technical systems:** *No further data; see section 7.*
- **Control parameters**
- **Components with critical values that require monitoring at the workplace:** *The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.*
- **Additional information:** *The lists that were valid during the compilation were used as basis.*
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
  - Do not store any foodstuffs or eat, drink, snuff or smoke in the work area!*
  - Avoid contact with eyes, skin and clothing!*
  - Clean hands thoroughly after work and before cleaning!*
  - Use skin care products after work (moisturising cream).*
  - Do not put oil-soaked cleaning cloths in the pockets of work clothes!*
  - Change and clean heavily soiled clothing!*
- **Breathing equipment:** *Particle filters A1/P2 or A2/P2 are recommended for use in the spraying process (with heavy aerosol formation). If the limit value is exceeded, e.g. on a full face mask: combination filter A2/P2 (brown/white)*
- **Protection of hands:** *Gloves made of: Nitrile rubber. (Category 3 chemical protective gloves, recognisable by the CE mark with four-digit test number). When wearing protective gloves, cotton undergloves are recommended.*
- **Material of gloves** *Nitrile rubber, NBR*
- **Penetration time of glove material** *The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.*
- **Eye protection:** *Closed safety goggles. For spray applications: Protective shield*
- **Body protection:** *Wear a plastic apron when spraying.*

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#### 9 Physical and chemical properties

**· Information on basic physical and chemical properties**

**· General Information**

**· Appearance:**

Form:	Fluid
Colour:	Dark brown
Smell:	neutral

· pH-value: Not determined.

**· Change in condition**

Melting point/freezing point	Not determined
Initial boiling point and boiling range	179 °C

· Flash point: 49 °C

· Auto-ignition temperature 230 °C

· Auto-ignition temperature Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of explosive air/steam mixtures is possible.

**· Critical values for explosion:**

Lower:	0.7 Vol %
Upper:	5.4 Vol %

· Steam pressure at 20 °C: 1.9 hPa

· Density at 20 °C 0.8 g/cm<sup>3</sup>

**· Solubility in / Miscibility with Water:**

Not miscible or difficult to mix

**· Viscosity:**

dynamic:	Not determined.
kinematic at 20 °C:	11 s (DIN 53211/4)

· Other information No further relevant information available.

#### 10 Stability and reactivity

· Reactivity No further relevant information available.

**· Chemical stability**

**· Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**· Possibility of hazardous reactions**

No dangerous reactions known

**· Conditions to avoid**

No further relevant information available.

**· Incompatible materials:**

No further relevant information available.

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- **Hazardous decomposition products:** No dangerous decomposition products known

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

· **LD/LC50 values that are relevant for classification:**

**CAS: 124-18-5 decane**

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50/4 h	72.3 mg/l (mouse)

- **Primary irritant effect:**
- **Serious eye damage or eye irritation** No irritant effect.
- **Respiratory / skin sensitization** No sensitizing effect known.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Toxic for fish
- **Additional ecological information:**
- **General notes:** Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms  
Do not allow product to reach ground water, water bodies or sewage system.  
Danger to drinking water if even small quantities leak into soil.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal information

- **Waste treatment methods**
- **Recommendation** Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to official regulations.*

#### 14 Transportation information

· <b>UN-Number</b> · <b>ADR, IMDG, IATA</b>	UN1993
· <b>UN proper shipping name</b> · <b>ADR, IMDG, IATA</b>	FLAMMABLE LIQUID, N.O.S. (n-DECANE)
· <b>Transport hazard class(es)</b> · <b>ADR</b> · <b>Class</b> · <b>Label</b>	3 (F1) Flammable liquids. 3
· <b>IMDG, IATA</b> · <b>Class</b> · <b>Label</b>	3 Flammable liquids. 3
· <b>Packing group</b> · <b>ADR, IMDG, IATA</b>	III
· <b>Environmental hazards:</b> · <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b> · <b>Kemler Number:</b> · <b>EMS Number:</b> · <b>Stowage Category</b>	Warning: Flammable liquids. 30 F-E, S-E A
· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b> · <b>Limited quantities (LQ)</b> · <b>Excepted quantities (EQ)</b>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· <b>Transport category</b> · <b>Tunnel restriction code</b>	3 D/E
· <b>IMDG</b> · <b>Limited quantities (LQ)</b> · <b>Excepted quantities (EQ)</b>	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

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· **UN "Model Regulation":** UN 1993 FLAMMABLE LIQUID, N.O.S. (N-DECANE), 3, III

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category** P5c FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50000 t
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing data specification sheet:** Environment protection department.
- **Contact:**
- **Abbreviations and acronyms:** RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
ADR: Accord relatif au transport international 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  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 3: Flammable liquids – Category 3  
Skin Corr. 1: Skin corrosion or irritation – Category 1  
Skin Irrit. 2: Skin corrosion or irritation – Category 2  
Eye Dam. 1: Serious eye damage or eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage or eye irritation – Category 2  
Skin Sens. 1: Skin sensitization – Category 1  
Asp. Haz.: Aspiration hazard – Category 1

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*Aquatic Acute 1: Hazardous to the aquatic environment - acute hazard – Category 1*

*Aquatic Chronic 2: Hazardous to the aquatic environment - chronic hazard – Category 2*

*Aquatic Chronic 3: Hazardous to the aquatic environment - chronic hazard – Category 3*

**· \* Data compared to the previous version altered.**

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