

# SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

Trade name: ABOil Pluto Chain Saw

Version: 1 / FI Rev. 0

Date revised: 12.12.2024

Product no.: 594311

Replaces Version: - / FI

Print date: 12.12.2024

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

ABOil Pluto Chain Saw

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

#### **Use of the substance/preparation**

Lubricants

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

#### **Address**

AB-Handling OY

Pajamäentie 2

49460 Hamina

FI

Telephone no. +358 40 029 0010

E-mail address of person responsible for this SDS info@abhandling.fi

### **1.4. Emergency telephone number**

Poison Information Centre Finland open 24 h daily: (09) 471977

## **SECTION 2: Hazards identification**

### **2.1. Classification of the substance or mixture**

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

### **2.2. Label elements**

#### **Labelling according to regulation (EC) No 1272/2008**

#### **Supplemental information**

EUH210

Safety data sheet available on request.

### **2.3. Other hazards**

No special hazards have to be mentioned.

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

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

### **3.2. Mixtures**

#### **Further ingredients**

##### **Distillates (petroleum), hydrotreated heavy paraffinic**

CAS No. 64742-54-7

EINECS no. 265-157-1

Registration no. 01-2119484627-25

Index no. 649-467-00-8

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Concentration  $\geq$  50 %

[3]

Classification (Regulation (EC) No. 1272/2008)

-

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note H, L

### Paraffin oils (petroleum), catalytic dewaxed heavy

CAS No. 64742-70-7

EINECS no. 265-174-4

Registration no. 01-2119487080-42

Index no. 649-477-00-2

Concentration  $\geq$  10 < 25 %

[3]

Classification (Regulation (EC) No. 1272/2008)

-

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note L

### Note

[3] Substance with occupational exposure limits

### Other information

DMSO<3% (IP 346)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of persistent symptoms consult doctor.

#### After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

#### After skin contact

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

#### After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

#### After ingestion

If individual is drowsy or unconscious place in recovery position (on left side, with head down). Call in a physician immediately and show him the Safety Data Sheet. Do not induce vomiting.

#### Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

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

#### Hints for the physician / treatment

Treat symptomatically

#### Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

## SECTION 5: Firefighting measures

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### 5.1. Extinguishing media

#### Suitable extinguishing media

Foam, Dry powder, Carbon dioxide, Water spray jet

#### Non suitable extinguishing media

Full water jet

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

In case of combustion evolution of dangerous gases possible.

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

#### Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains.

## SECTION 6: Accidental release measures

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

High risk of slipping due to leakage/spillage of product. Use personal protective clothing. Ensure adequate ventilation. Keep away sources of ignition. Use breathing apparatus if exposed to vapours/dust/aerosol. Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.

### 6.2. Environmental precautions

Do not discharge into the subsoil/soil. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater.

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

Pick up with absorbent material. Clean contaminated floors and objects thoroughly, observing environmental regulations. Dispose of as prescribed.

### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Observe the usual precautions for handling chemicals.

#### Advice on protection against fire and explosion

No special measures required.

#### Classification of fires / temperature class / Ignition group / Dust explosion class

Classification of fires                      B (Combustible liquid substances)

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

#### Requirements for storage rooms and vessels

Store product in closed containers.

#### Hints on storage assembly

Do not store together with foodstuffs.

#### Further information on storage conditions

Keep container tightly closed and dry. Protect from heat and direct sunlight.

### 7.3. Specific end use(s)

## SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

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Lubricants

### **SECTION 8: Exposure controls/personal protection**

#### **8.1. Control parameters**

##### **Other information**

Maintain air concentrations below occupational exposure standards.  
There are not known any further control parameters.

#### **8.2. Exposure controls**

##### **General protective and hygiene measures**

Observe the usual precautions for handling chemicals. Avoid contact with skin and eyes. Do not inhale vapours. Do not inhale mist. Take off immediately all contaminated clothing. Cloths contaminated with product should not be kept in trouser pockets. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

##### **Respiratory protection**

Not necessary, but do not inhale vapours. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn.

##### **Hand protection**

Gloves

Appropriate Material	neoprene		
Material thickness	0,6	mm	
Breakthrough time	60	min	
Appropriate Material	nitrile		
Material thickness	0,4	mm	
Breakthrough time	480	min	
Appropriate Material	viton		
Material thickness	0,7	mm	
Breakthrough time	480	min	
Appropriate Material	Butyl rubber		
Material thickness	0,7	mm	
Breakthrough time	120	min	

Hand protection must comply with EN 374.

##### **Eye protection**

Safety glasses with side protection shield; Eye protection must comply with EN 166.

##### **Body protection**

Clothing as usual in the chemical industry. Personal protective clothing must comply with the relevant CEN standards.

### **SECTION 9: Physical and chemical properties**

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

<b>Physical state</b>	liquid
<b>Colour</b>	brownish
<b>Odour</b>	characteristic

##### **Density and/or relative density**

Value	865		kg/m <sup>3</sup>
Temperature	15	°C	
Method	ASTM D 4052		

##### **Viscosity**

<b>kinematic</b>		
Value	55	mm <sup>2</sup> /s

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Temperature 40 °C  
Method ASTM D 445

**Flash point**

Value 200 °C  
Method Cleveland open cup

**Pourpoint**

Value -45 °C  
Method ASTM D 5950

**Melting point**

Remarks not determined

**Freezing point**

Remarks not determined

**Boiling point or initial boiling point and boiling range**

Remarks not determined

**Flammability**

not determined

**Upper and lower explosive limits**

Remarks not determined

**Boiling point or initial boiling point and boiling range**

not determined

**Auto-ignition temperature**

Remarks not determined

**Decomposition temperature**

Remarks not determined

**pH value**

Remarks Not applicable

**Solubility(ies)**

Remarks not determined

**Partition coefficient n-octanol/water (log value)**

Remarks not determined

**Vapour pressure**

Remarks not determined

**Relative vapour density**

Remarks not determined

**9.2. Other information****Odour threshold**

Remarks not determined

**Evaporation rate (ether = 1) :**

Remarks not determined

**Solubility in water**

Remarks not determined

**Auto-ignition temperature**

Remarks Not applicable

**Explosive properties**

evaluation not determined

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Product no.: 594311

Replaces Version: - / FI

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### Oxidising properties

Remarks not determined

### Other information

None known

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

### 10.2. Chemical stability

No hazardous reactions known.

### 10.3. Possibility of hazardous reactions

Oxidising agents

### 10.4. Conditions to avoid

No hazardous reactions known.

### 10.5. Incompatible materials

Oxidising agents, Reactions with strong acids.

### 10.6. Hazardous decomposition products

Possible in traces

### Other information

Relevant information in Section 2:

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute oral toxicity

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

#### Acute oral toxicity (Components)

##### Distillates (petroleum), hydrotreated heavy paraffinic

Species	rat	
LD50	> 5000	mg/kg
Method	OECD 401	
Remarks	Test conducted with a similar formulation.	

##### Paraffin oils (petroleum), catalytic dewaxed heavy

Species	Rats (male/female)	
LD50	> 5000	mg/kg
Method	OECD 401	
Remarks	Test conducted with a similar formulation.	

#### Acute dermal toxicity

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

#### Acute dermal toxicity (Components)

##### Distillates (petroleum), hydrotreated heavy paraffinic

Species	rabbit	
LD50	> 5000	mg/kg
Method	OECD 402	
Remarks	Test conducted with a similar formulation.	

##### Paraffin oils (petroleum), catalytic dewaxed heavy

Species	rabbit	
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**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006**

Trade name: ABOil Pluto Chain Saw

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Product no.: 594311

Replaces Version: - / FI

Print date: 12.12.2024

LD50	>	5000	mg/kg
Method		OECD 402	
Remarks		Test conducted with a similar formulation.	

**Acute inhalational toxicity**

Remarks	Based on available data, the classification criteria are not met.
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**Acute inhalative toxicity (Components)****Distillates (petroleum), hydrotreated heavy paraffinic**

Species	rat		
LC50	>	5,53	mg/l
Duration of exposure		4	h
Method		OECD 403	
Remarks		Test conducted with a similar formulation.	

**Paraffin oils (petroleum), catalytic dewaxed heavy**

Species	rat		
LC50	>	5,53	mg/l
Duration of exposure		4	h
Administration/Form		Dust/Mist	
Method		OECD 403	
Remarks		Test conducted with a similar formulation.	

**Skin corrosion/irritation**

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

Remarks	Based on available data, the classification criteria are not met.
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**Serious eye damage/irritation (Components)****Paraffin oils (petroleum), catalytic dewaxed heavy**

evaluation	non-irritant
Method	OECD 405

**Sensitization**

Remarks	Based on available data, the classification criteria are not met.
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**Sensitization (Components)****Paraffin oils (petroleum), catalytic dewaxed heavy**

evaluation	non-sensitizing	
Method	OECD 406	
Remarks	Test conducted with a similar formulation.	

**Subacute, subchronic, chronic toxicity**

Remarks	not determined
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**Mutagenicity**

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

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

Remarks	Based on available data, the classification criteria are not met.
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**Specific Target Organ Toxicity (STOT)****Single exposure**

Remarks	Based on available data, the classification criteria are not met.
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**Repeated exposure**

Remarks	Based on available data, the classification criteria are not met.
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**Aspiration hazard**

**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006**

Trade name: ABOil Pluto Chain Saw

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Product no.: 594311

Replaces Version: - / FI

Print date: 12.12.2024

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

**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

**Ingredient data****Acute oral toxicity (Components)****Distillates (petroleum), hydrotreated heavy paraffinic**

Species	rat	
LD50	> 5000	mg/kg
Method	OECD 401	
Remarks	Test conducted with a similar formulation.	

**Paraffin oils (petroleum), catalytic dewaxed heavy**

Species	Rats (male/female)	
LD50	> 5000	mg/kg
Method	OECD 401	
Remarks	Test conducted with a similar formulation.	

**Acute dermal toxicity (Components)****Distillates (petroleum), hydrotreated heavy paraffinic**

Species	rabbit	
LD50	> 5000	mg/kg
Method	OECD 402	
Remarks	Test conducted with a similar formulation.	

**Paraffin oils (petroleum), catalytic dewaxed heavy**

Species	rabbit	
LD50	> 5000	mg/kg
Method	OECD 402	
Remarks	Test conducted with a similar formulation.	

**Acute inhalative toxicity (Components)****Distillates (petroleum), hydrotreated heavy paraffinic**

Species	rat	
LC50	> 5,53	mg/l
Duration of exposure	4	h
Method	OECD 403	
Remarks	Test conducted with a similar formulation.	

**Paraffin oils (petroleum), catalytic dewaxed heavy**

Species	rat	
LC50	> 5,53	mg/l
Duration of exposure	4	h
Administration/Form	Dust/Mist	
Method	OECD 403	
Remarks	Test conducted with a similar formulation.	

**Serious eye damage/irritation (Components)****Paraffin oils (petroleum), catalytic dewaxed heavy**

evaluation	non-irritant
Method	OECD 405

**Sensitization (Components)****Paraffin oils (petroleum), catalytic dewaxed heavy**

evaluation	non-sensitizing	
Method	OECD 406	
Remarks	Test conducted with a similar formulation.	

**Other information**



**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006**

Trade name: ABOil Pluto Chain Saw

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Product no.: 594311

Replaces Version: - / FI

Print date: 12.12.2024

No toxicological data are available.

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

not determined

**Fish toxicity (Components)****Distillates (petroleum), hydrotreated heavy paraffinic**

Species	Fathead minnow ( <i>Pimephales promelas</i> )
LL50	> 100 mg/l
Duration of exposure	96 h
Method	OECD 203
Remarks	Test conducted with a similar formulation.

**Distillates (petroleum), hydrotreated heavy paraffinic**

Species	Fathead minnow ( <i>Pimephales promelas</i> )
NOEL	>= 100 mg/l
Duration of exposure	96 h
Method	OECD 203
Remarks	Test conducted with a similar formulation.

**Paraffin oils (petroleum), catalytic dewaxed heavy**

Species	Fathead minnow ( <i>Pimephales promelas</i> )
LL50	> 100 mg/l
Duration of exposure	96 h
Method	OECD 203
Remarks	Test conducted with a similar formulation.

**Daphnia toxicity (Components)****Distillates (petroleum), hydrotreated heavy paraffinic**

Species	Daphnia magna
EL50	> 10000 mg/l
Duration of exposure	48 h
Method	OECD 202
Remarks	Test conducted with a similar formulation.

**Distillates (petroleum), hydrotreated heavy paraffinic**

Species	Daphnia magna
NOEL	>= 10000 mg/l
Duration of exposure	48 h
Method	OECD 202
Remarks	Test conducted with a similar formulation.

**Paraffin oils (petroleum), catalytic dewaxed heavy**

Species	Daphnia magna
EL50	> 10000 mg/l
Duration of exposure	48 h
Method	OECD 202
Remarks	Test conducted with a similar formulation.

**Paraffin oils (petroleum), catalytic dewaxed heavy**

LL50	> 10000 mg/l
Duration of exposure	96 h
Method	OECD 202
Remarks	Test conducted with a similar formulation.

**Paraffin oils (petroleum), catalytic dewaxed heavy**

NOEL	> 10000 mg/l
Duration of exposure	96 h

**SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006**

Trade name: ABOil Pluto Chain Saw

Version: 1 / FI Rev. 0

Date revised: 12.12.2024

Product no.: 594311

Replaces Version: - / FI

Print date: 12.12.2024

Method OECD 202  
Remarks Test conducted with a similar formulation.

**Paraffin oils (petroleum), catalytic dewaxed heavy**

Species Daphnia magna  
NOEL 10 mg/l  
Duration of exposure 21 d  
Method OECD 211  
Remarks Test conducted with a similar formulation.

**Algae toxicity (Components)****Distillates (petroleum), hydrotreated heavy paraffinic**

Species Pseudokirchneriella subcapitata  
NOEL >= 100 mg/l  
Duration of exposure 72 h  
Method OECD 201  
Remarks Test conducted with a similar formulation.

**Paraffin oils (petroleum), catalytic dewaxed heavy**

Species Pseudokirchneriella subcapitata  
NOEL > 100 mg/l  
Duration of exposure 72 h  
Method OECD 201  
Remarks Test conducted with a similar formulation.

**12.2. Persistence and degradability****General information**

not determined

**Biodegradability**

evaluation not readily degradable

**Biodegradability (Components)****Paraffin oils (petroleum), catalytic dewaxed heavy**

evaluation not readily degradable

**12.3. Bioaccumulative potential****General information**

not determined

**Partition coefficient n-octanol/water (log value)**

Remarks not determined

**Octanol/water partition coefficient (log Pow) (Components)****Distillates (petroleum), hydrotreated heavy paraffinic**

log Pow 3,9 to 6

**12.4. Mobility in soil****General information**

not determined

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

not determined

**Results of PBT and vPvB assessment**

The product contains no PBT substances  
The product contains no vPvB substances.

**12.6 Endocrine disrupting properties**

## SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

Trade name: ABOil Pluto Chain Saw

Version: 1 / FI Rev. 0

Date revised: 12.12.2024

Product no.: 594311

Replaces Version: - / FI

Print date: 12.12.2024

### Endocrine disrupting properties with respect to the environment

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

### 12.7. Other adverse effects

#### General information

not determined

#### General information / ecology

Do not discharge product unmonitored into the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

Dispose of waste according to applicable legislation.

EWC waste code 13 02 08\* other engine, gear and lubricating oils

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

#### Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

EWC waste code 15 01 10\* packaging containing residues of or contaminated by dangerous substances

## SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.-	The product does not constitute a hazardous substance in sea transport.-	The product does not constitute a hazardous substance in air transport.-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
Label			
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	no	-

### Information for all modes of transport

#### 14.6. Special precautions for user

See Sections 6 to 8

### Other information

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

Not applicable

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Product no.: 594311

Replaces Version: - / FI

Print date: 12.12.2024

### **SECTION 15: Regulatory information**

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

##### **Other information**

There is no data available on the product apart from the information given in this subsection.

#### **15.2. Chemical safety assessment**

For this preparation a chemical safety assessment has not been carried out.

### **SECTION 16: Other information**

##### **Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.