



## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

#### Commercial Product Name

SEROTIINI

Substance name: Naphtha (petroleum), hydrotreated heavy, Cobalt bis (2-ethylhexanoate)

CAS-No.: 64742-48-9, 136-52-7

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

Boiled linseed oil, solvent and bedding materials containing linseed oil-based paints bedding solution.

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

#### Supplier

Uulatuote Oy

#### Street address

Yttiläntie 265

#### Postcode and post office

32920 Kauvatsa

Finland

#### Telephone

+358 10 820 0020

#### Telefax

+358 2-529 5011

#### Business ID

FI02264544

#### Email

uula@uula.fi

### 1.4 Emergency telephone number

United Kingdom of Great Britain and Northern Ireland:

National Poisons Information Service

+ 8 448 920 111, 24 hrs

Ireland: Dublin

+353 1 809 2166 (public). 24hrs

Malta:

+356 2545 0000/ +356 2545 6504

## SECTION 2. HAZARDS IDENTIFICATION

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

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

### 2.1 Classification of the substance or mixture

#### 1272/2008 (CLP)

Asp. Tox. 1, H304

Skin Irrit. 2, H315

Skin Sens. 1, H317

EUH066

#### 67/548/EEC - 1999/45/EC

Xn; R43-66

### 2.2 Label elements

#### 1272/2008 (CLP)

GHS08

Signal word

**Danger**

#### Hazard Statements

H304

May be fatal if swallowed and enters airways.

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.

EUH066

Repeated exposure may cause skin dryness or cracking.

#### Precautionary Statements

P102

Keep out of reach of children.





P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.

**2.3 Other hazards**

EUH208 Contains Cobalt bis (2-ethylhexanoate). May produce an allergic reaction.

Inhalation of vapors may cause headache, dizziness and nausea. Skin contact may irritate the skin and may cause allergic reactions (including asthma). Harmful, may cause lung damage if swallowed.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**3.2 Mixtures****Hazardous components**

CAS	EINECS	Chemical name of the substance	Concentration	Classification
64742-48-9	265-150-3	Naphtha (petroleum), hydrotreated heavy	~ 47 %	Xn; R65; R66 Asp. Tox. 1, H304; EUH066; Note P.
136-52-7	205-250-6	Cobalt bis (2-ethylhexanoate)	1,88 %	Xi; R38; R43 Skin Irrit. 2, H315; Skin Sens. 1, H317
22464-99-9	245-018-1	2-ethylhexanoic acid, zirconium	4,69 %	Xi; R38 Skin Irrit. 2, H315
68442-82-0	270-491-6	Calcium carbonate dimethyl-hexanoate complexes	11,74 %	Xi; R38 Skin Irrit. 2, H315

**Non-hazardous ingredients:**

68649-95-6	272-038-8	Boiled linseed oil	34,6 %	-
------------	-----------	--------------------	--------	---

**3.3 Other information**

REACH Registration Number

CAS 64742-48-9: 01-2119457273-39-XXXX

CAS 22464-99-9: 01-2119979088-21-XXXX

CAS 136-52-7: 01-2119524678-29-XXXX

Note P: The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). This note applies only to certain complex coal- and oil-derived substances in Part 3.

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

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

## SECTION 4. FIRST AID MEASURES

**4.1 Description of first aid measures****Inhalation**

If breathed in, move person into fresh air. Keep patient warm and at rest. Oxygen or artificial respiration if needed. Get medical attention immediately if symptoms occur. High concentration of vapours may cause irritation to eyes and respiratory system and produce narcotic effects.

**Skin contact**

Take off all contaminated clothing immediately. In case of contact, immediately flush skin with soap and plenty of water. If skin irritation persists, call a physician.

**Eye contact**

Rinse immediately with plenty of lukewarm water, also under the eyelids, for at least 15 minutes. Call a physician if irritation persists.

**Ingestion**

Do NOT induce vomiting. Rinse mouth with water. Drink plenty of water. If large quantities of this material are swallowed, call a physician immediately. Aspiration hazard if swallowed - can enter lungs and cause damage.



- 4.2 Most important symptoms and effects, both acute and delayed**  
Irritating to respiratory system and skin. Aspiration hazard if swallowed - can enter lungs and cause damage.
- 4.3 Indication of immediate medical attention and special treatment needed**  
Treat symptomatically.

## SECTION 5. FIREFIGHTING MEASURES

- 5.1 Extinguishing media**  
**Suitable extinguishing media**  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**Extinguishing media which must not be used for safety reasons**  
Water spray
- 5.2 Special hazards arising from the substance or mixture**  
Burning produces noxious and toxic fumes.
- 5.3 Advice for firefighters**  
In case of insufficient ventilation wear suitable respiratory equipment.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**  
Provide adequate ventilation. Avoid inhalation, ingestion and contact with skin and eyes. Use personal protective equipment.
- 6.2 Environmental precautions**  
The product should not be allowed to enter drains, water courses or the soil.
- 6.3 Methods and materials for containment and cleaning up**  
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water.
- 6.4 Reference to other sections**  
Dispose of oily cotton waste, rags by burning or watering before discarding in the trash because of linseed-oil self-ignition risk. For personal protection see section 8.

## SECTION 7. HANDLING AND STORAGE

- 7.1 Precautions for safe handling**  
Use personal protective equipment. Use only in area provided with appropriate exhaust ventilation. Do not get in eyes, on skin, or on clothing. Keep away from sources of ignition - No smoking. May cause sensitisation by skin contact.
- 7.2 Conditions for safe storage, including any incompatibilities**  
Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.
- 7.3 Specific end use(s)**  
No information available.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**  
**Threshold limits**
- |            |  |                             |                                 |
|------------|--|-----------------------------|---------------------------------|
| 64742-48-9 | Naphtha (petroleum),<br>hydrotreated heavy | 900 mg/m <sup>3</sup> (8 h) | 1200 mg/m <sup>3</sup> (15 min) |
|------------|--|-----------------------------|---------------------------------|
- Other information on limit values**



Naphtha (petroleum), hydrotreated heavy:

TWA = 1200 mg/m<sup>3</sup> (184 ppm), ExxonMobil (2000)

#### **DNELs**

No information available.

#### **PNECs**

No information available.

## **8.2**

### **Exposure controls**

#### **Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

#### **Individual protection measures**

##### **Respiratory protection**

Breathing apparatus needed only when aerosol or mist is formed. Recommended Filter type: A.

##### **Hand protection**

Protective gloves: Nitrile rubber

##### **Eye/face protection**

If splashes are likely to occur, wear: Safety glasses with side-shields

##### **Skin protection**

Wear suitable coveralls to prevent exposure to the skin.

#### **Environmental exposure controls**

Keep tightly closed. The product should not be allowed to enter drains, water courses or the soil.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

### **9.1**

#### **Important Health Safety and Environmental Information**

<b>Appearance</b>	Liquid violetti
<b>Odour</b>	aliphatic
<b>Odour threshold</b>	no data available
<b>pH</b>	no data available
<b>Melting point/freezing point</b>	no data available
<b>Initial boiling point and boiling range</b>	180 - 217°C (heavy naphtha)
<b>Flash point</b>	62°C (raskas teollisuusbensiini).
<b>Evaporation rate</b>	no data available
<b>Flammability (solid, gas)</b>	no data available
<b>Explosive properties</b>	
<b>Lower explosion limit</b>	0,6 % vol (heavy naphtha)
<b>Upper explosion limit</b>	7 % vol (heavy naphtha)
<b>Vapour pressure</b>	no data available
<b>Vapour density</b>	no data available
<b>Relative density</b>	no data available
<b>Solubility(ies)</b>	
<b>Water solubility</b>	no data available
<b>Fat solubility (solvent - oil to be specified)</b>	no data available
<b>Partition coefficient: n-octanol/water</b>	no data available
<b>Auto-ignition temperature</b>	no data available
<b>Decomposition temperature</b>	no data available
<b>Viscosity</b>	no data available
<b>Explosive properties</b>	no data available
<b>Oxidising properties</b>	no data available



- 9.2 Other information**  
No information available.

## SECTION 10. STABILITY AND REACTIVITY

- 10.1 Reactivity**  
Stable at normal ambient temperature and pressure.
- 10.2 Chemical stability**  
Stable under normal conditions.
- 10.3 Possibility of hazardous reactions**  
Burning produces noxious and toxic fumes.
- 10.4 Conditions to avoid**  
Extremes of temperature and direct sunlight. Oxidizing agents
- 10.5 Incompatible materials**  
Strong oxidizing agents
- 10.6 Hazardous decomposition products**  
No information available.

## SECTION 11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
- Acute toxicity**  
No information available.
- Irritation and corrosion**  
Prolonged or repeated contact may dry skin and cause irritation. Repeated or prolonged contact causes sensitisation, asthma and eczemas.
- Sensitisation**  
May cause sensitisation by skin contact.
- Subacute, subchronic and prolonged toxicity**  
No information available.
- STOT-single exposure**  
No information available.
- STOT-repeated exposure**  
No information available.
- Aspiration hazard**  
Aspiration hazard if swallowed - can enter lungs and cause damage.
- Other information on acute toxicity**  
Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin.

## SECTION 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity**
- Aquatic toxicity**  
No information available.
- Toxicity to other organisms**  
No information available.
- 12.2 Persistence and degradability**
- Biodegradation**  
No information available.

**Chemical degradation**

No information available.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

No information available.

**12.6 Other adverse effects**

No information available.

**SECTION 13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose of as hazardous waste in compliance with local and national regulations. Empty containers can be landfilled after cleaning, when in compliance with local regulations. Dispose of product residue in accordance with the instructions of the person responsible for waste disposal.

**SECTION 14. TRANSPORT INFORMATION****14.1 UN number**

Not classified as dangerous for conveyance in the meaning of the regulations for the transport of dangerous goods by road and rail.

**14.2 UN proper shipping name**

-

**14.3 Transport hazard class(es)**

-

**14.4 Packing group**

-

**14.5 Environmental hazards**

-

**14.6 Special precautions for users**

No information available.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No information available.

**SECTION 15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

WEL substance: Avoid exceeding of the given occupational exposure limits (see section 8).

**15.2 Chemical safety assessment**

No information available.

**SECTION 16. OTHER INFORMATION****16.1 Additions, Deletions, Revisions**

Version 1.0.

**16.2 Key or legend to abbreviations and acronyms**

- **CLP** - Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging
- **DNEL** - No observed adverse effect level
- **PNEC** - Predicted No Effect Concentration
- **PBT** - persistent, bioaccumulating and toxic.
- **vPvB** - very persistent and very bioaccumulating.

**16.3 Key literature references and sources for data**

REGULATION (EC) No 1272/2008, Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, Annex VI, Table 3.2. Material Safety Data Sheet: SEROTIINI Print Date 28.5.2010. Information and analyzes from different raw material manufacturers.

**16.4 Classification procedure**

REGULATION (EC) No 1272/2008 Classification according to Regulation (EU) 1272/2008 with the correlation table 67/548/EEC or 1999/45/EC (Annex VII of CLP).

**16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements**

R38	Irritating to skin.
R43	May cause sensitization by skin contact.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

**16.6 Additional information available from:**

Provide adequate information, instruction and training for operators. Refer to attached safety data sheets and/or instructions for use.