

**MATERIAL SAFETY DATA SHEET****1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier****Trade name**

EKO 100 Voiteleva Teräketjuöljy

**REACH registration number**

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**1.2 Relevant identified uses**

Chain oil.

**1.2.1 Classification of economic activities**

020. Forestry and related services

D. Industry

**1.2.2 Use category**

35. Lubricants and additives

**1.2.3 The chemical may be used by the general public X****1.3 Details of the supplier of the safety data sheet****1.3.1 Manufacturer, importer, other operator**

Ekosata Oy,  
Oppipojankatu 1,  
32200 LOIMAA,  
tel: +358 44 0605461,  
Business ID: FI22909979

**1.4 Emergency telephone number****1.4.1 Number, name and address**

+358 9 471 977, ( +358 9 4711 exchange)

Poison Information Centre, Haartmaninkatu 4, 00290 HELSINKI

**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

The preparation has not been classified as hazardous.

**2.2 Label elements**

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**2.3 Other hazards**

The preparation does not contain PBT (persistent, bioaccumulative and toxic) or vPvB (very persistent and very bioaccumulative) substances.

**3. COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures**

CAS/EC number and registry number	Name of ingredient	Concentration	Classification
-	-	-	-

The preparation does not contain hazardous ingredients. The product contains &gt; 95% vegetable oil and &lt; 5% natural rubber/vegetable oil preparation.

**4. FIRST AID MEASURES****4.1 Description of first aid measures**

**Inhalation:** Remove to fresh air.

**Eye contact:** Rinse opened eye with plenty of running water for 10 to 15 minutes.

**Skin contact:** Remove contaminated clothing and wash skin with soap and water.

**Ingestion:** Rinse mouth with water. Seek medical attention. Do not induce vomiting.

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

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

Treat symptoms

## **5. FIREFIGHTING MEASURES**

**5.1 Extinguishing media**

**Suitable extinguishing agents:** Smothering, dry powder, carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing agents:** Water

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

No special hazards.

**5.3 Advice for firefighters**

Appropriate. Wear self-contained breathing apparatus in closed premises.

## **6. ACCIDENTAL RELEASE MEASURES**

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

Wear personal protective clothing. Beware of possible risk of slipping caused by product leaking.

**6.2 Environmental precautions**

Do not allow to enter drainage system, soil or water systems.

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

Absorb spill with peat, sawdust, paper towel, etc. Dispose of appropriately.

**6.4 Reference to other sections**

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## **7. HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Use safety footwear when handling barrels.

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

Keep in tightly closed and appropriately labelled containers. Keep in a safe place.

**7.3 Specific end use**

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## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control parameters**

**8.1.1 National occupational exposure limit values**

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**8.1.2 Other limit values**

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**8.1.3 DNEL**

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**8.1.4 PNEC**

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**8.2 Exposure controls**

**8.2.1 Engineering controls**

Good ventilation.

**8.2.2 Eye/face protection**

Wear safety goggles, if there is a risk of splashing.

**8.2.3 Skin protection**

Sufficient protective clothing.

**8.2.4 Hand protection**

Protective gloves are recommended.

**8.2.5 Respiratory protection**

Use respiratory protection, if ventilation is not sufficient.

**8.2.6 Environmental exposure controls**

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**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Oily, almost odourless liquid.

**9.2 State**

Oily, dark yellow liquid.

**9.2.1 Odour**

Mild

**9.2.2 Odour threshold**

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**9.2.3 pH value**

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**9.2.4 Melting point/freezing point**

approx. -27°C

**9.2.5 Boiling point and boiling range**

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**9.2.6 Flash point**

approx. 300°C

**9.2.7 Evaporation rate**

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**9.2.8 Flammability (solid, gas)**

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**9.2.9 Upper/lower flammability/explosive limit**

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**9.2.10 Vapour pressure**

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**9.2.11 Vapour density**

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**9.2.12 Relative density**

921 kg/m<sup>3</sup>, (22°C)

**9.2.13 Solubility (solubilities)**

Insoluble in water.

**9.2.14 Partition coefficient: n-octanol/water**

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**9.2.15 Auto-ignition temperature**

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**9.2.16 Decomposition temperature**

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**9.2.17 Viscosity**

68 cP (40° C)

**9.2.18 Explosive properties**

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**9.2.19 Oxidising properties**

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**10. STABILITY AND REACTIVITY****10.1 Reactivity**

No dangerous reactions.

**10.2 Chemical stability**

The product is stable.

**10.3 Possibility of hazardous reactions**

None, if stored at normal storage and usage conditions.

**10.4 Conditions to avoid**

None known.

**10.5 Incompatible materials**

None known.

**10.6 Hazardous decomposition products**

None known.

**11. TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**11.2 Skin corrosion/irritation**

Repeated and long-term skin contact may cause skin dryness.

**11.3 Serious eye damage/irritation**

Splashes may cause temporary eye irritation

**11.4 Respiratory or skin sensitisation**

None known.

**11.5 Germ cell mutagenicity**

None known.

**11.6 Carcinogenicity**

None known.

**11.7 Reproductive toxicity**

None known.

**11.8 STOT-single exposure**

None known.

**11.9 STOT-repeated exposure**

None known.

**11.10 Aspiration hazard**

None

**11.11 Other information**

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**12. ECOLOGICAL INFORMATION**

**12.1 Toxicity**

The product is not toxic.

**12.2 Persistence and degradability**

The product is biodegradable. Rapeseed/colza oil is biodegradable.

**12.3 Bioaccumulative potential**

None.

**12.4 Mobility in soil**

Information not available.

**12.5 Results of PBT and vPvB assessment**

Information not available.

**12.6 Other adverse effects**

Information not available.

**13. DISPOSAL CONSIDERATIONS**

**13.1 Waste treatment methods**

To be disposed of according to local regulations. The hazard of self-ignition should be taken into account in case of oily waste.

**14. TRANSPORT INFORMATION**

Trade name: **EKO 100 Voiteleva Teräketjuöljy**

Date: 1 January 2013

Former date: 16 February 2010

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14.1	<b>UN number</b>	-
14.2	<b>UN proper shipping name</b>	-
14.3	<b>Transport hazard class</b>	Not classified for transportation
14.4	<b>Packing group</b>	-
14.5	<b>Environmental hazards</b>	-
14.6	<b>Special precautions for user</b>	-
14.7	<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	-

## **15. REGULATORY INFORMATION**

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	Information not available.
15.2	<b>Chemical safety assessment</b>	Not performed for the preparation.

## **16. OTHER INFORMATION**

16.1	<b>Changes to the previous version</b>	The MSDS is in accordance with the REACH 2010 form.
16.2	<b>Abbreviations</b>	-
16.3	<b>Sources of information</b>	Data from the product manufacturer. Data from the ingredient manufacturer. REACH regulation.
16.5	<b>Method used for assessing the classification</b>	-
16.6	<b>List of R- and S-phrases or/and hazard and safety and precautionary phrases</b>	None
16.7	<b>Training of employees</b>	None.