

**MATERIAL SAFETY DATA SHEET****1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

- 1.1 Product identifier**  
**Trade name**  
EKO 100 Muottiöljy 20  
**REACH registration number**  
-
- 1.2 Relevant identified uses**  
Form oil.
- 1.2.1 Classification of economic activities**  
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: 044-0605461,  
Business ID: 2290997-9
- 1.4 Emergency telephone number**
- 1.4.1 Number, name and address**  
09 471 977, ( 09-4711 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****3.1 Mixtures**

CAS/EC number and registry number	Name of ingredient	Concentration	Classification
68649-11-6	Polyalphaolefin	< 10%	Xn

The product contains > 90% pressed rapeseed/colza oil.

**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**

-

**8.1.3 DNEL**

-

**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, yellowish liquid.

<b>9.2.1 Odour</b>	Mild
<b>9.2.2 Odour threshold</b>	-
<b>9.2.3 pH value</b>	-
<b>9.2.4 Melting point/freezing point</b>	-
<b>9.2.5 Boiling point and boiling range</b>	-
<b>9.2.6 Flash point</b>	approx. 300°C
<b>9.2.7 Evaporation rate</b>	-
<b>9.2.8 Flammability (solid, gas)</b>	-
<b>9.2.9 Upper/lower flammability/explosive limit</b>	-
<b>9.2.10 Vapour pressure</b>	-
<b>9.2.11 Vapour density</b>	-
<b>9.2.12 Relative density</b>	904 kg/m <sup>3</sup> , (22°C)
<b>9.2.13 Solubility (solubilities)</b>	Insoluble in water.
<b>9.2.14 Partition coefficient: n-octanol/water</b>	-
<b>9.2.15 Auto-ignition temperature</b>	-
<b>9.2.16 Decomposition temperature</b>	-
<b>9.2.17 Viscosity</b>	20 cP (40° C)
<b>9.2.18 Explosive properties</b>	-
<b>9.2.19 Oxidising properties</b>	-

**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 Materials 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. The product is fully biodegradable when tested in accordance with OECD 301F (1).

### 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

### 14.1 UN number

-

### 14.2 UN proper shipping name

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Trade name: **EKO 100 Muottiöljy 20**

Date: 1 January 2013

Former date: 16 January 2012

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

## **15. REGULATORY INFORMATION**

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

## **16. OTHER INFORMATION**

<b>16.1</b>	<b>Changes to the previous version</b> The MSDS is in accordance with the REACH 2010 form.
<b>16.2</b>	<b>Abbreviations</b> -
<b>16.3</b>	<b>Sources of information</b> Data from the product manufacturer. Data from the ingredient manufacturer. REACH regulation. (1) Study by the University of Oulu.
<b>16.5</b>	<b>Method used for assessing the classification</b> -
<b>16.6</b>	<b>List of R- and S-phrases or/and hazard and safety and precautionary phrases</b> None
<b>16.7</b>	<b>Training of employees</b> None.