

# NESTE OIL

## SAFETY DATA SHEET NESTE PAINTCOAT PRO

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

#### 1.1. Product identifier

**Product name** NESTE PAINTCOAT PRO  
**Product number** (ID 17996)  
**Internal identification** 7576

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

**Identified uses** Industrial chemical.

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

**Supplier** Neste Markkinointi Oy  
Keilaranta 21, Espoo, P.O.B. 95, 00095 NESTE OIL, FINLAND  
Tel. +358 10 45811  
Fax +358 10 45 84442  
lubetec@nesteoil.com

#### 1.4. Emergency telephone number

**National emergency telephone number** +358-9-471 977, +358-9-4711, Poison Information Centre/HUS, P.O.B 340 (Tukholmankatu 17) 00029 HUS (Helsinki, Finland)

### SECTION 2: Hazards identification

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

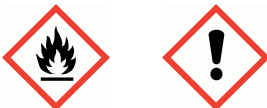
##### Classification

**Physical hazards** Flam. Liq. 2 - H225  
**Health hazards** Eye Irrit. 2 - H319 STOT SE 3 - H336  
**Environmental hazards** Not Classified

**Classification (67/548/EEC or 1999/45/EC)** F; R11. Xi; R36. R67

#### 2.2. Label elements

##### Pictogram



**Signal word** Danger

**Hazard statements** H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

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**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261 Avoid breathing vapour/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.

**Contains** Ethanol, propan-2-ol

### 2.3. Other hazards

**Other hazards** Volatile., Vapours may form explosive mixtures with air.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>propan-2-ol</b>		<b>&lt; 50%</b>
CAS number: 67-63-0	EC number: 200-661-7	REACH registration number: 01-2119457558-25-XXXX

<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 2 - H225	F; R11. Xi; R36. R67
STOT SE 3 - H336	
Eye Irrit. 2 - H319	
STOT SE 3 - H336	
STOT SE 3 - H336	

<b>Ethanol</b>		<b>&lt; 50%</b>
CAS number: 64-17-5	EC number: 200-578-6	REACH registration number: 01-2119457610-43-XXXX

<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 2 - H225	F; R11

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Other information** Mixture of silanes in alcohol solution.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation** Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.

**Ingestion** Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

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

**Eye contact** Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes and get medical attention.

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

**General information** Causes serious eye irritation. Vapours/aerosol spray may irritate the respiratory system. May cause drowsiness or dizziness.

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

**Notes for the doctor** Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

**Unsuitable extinguishing media** None known. Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** Highly flammable liquid and vapour. Containers can burst violently or explode when heated, due to excessive pressure build-up.

**Hazardous combustion products** Carbon monoxide (CO). Hydrogen fluoride (HF).

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Contain and collect extinguishing water. Avoid discharge into drains.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

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

**Personal precautions** Avoid inhalation of vapours and contact with skin and eyes. Wear suitable protective clothing as protection against splashing or contamination. Eliminate all ignition sources if safe to do so. Vapours may be ignited by a spark, a hot surface or an ember. Use only in well-ventilated areas.

**For emergency responders** Keep unnecessary and unprotected personnel away from the spillage.

#### 6.2. Environmental precautions

**Environmental precautions** Stop leak if safe to do so. Avoid the spillage or runoff entering drains, sewers or watercourses.

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

**Methods for cleaning up** Small Spillages: Flush away spillage with plenty of water. Large Spillages: Absorb spillage with non-combustible, absorbent material. Dispose of waste via a licensed waste disposal contractor.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Vapours may accumulate on the floor and in low-lying areas. Vapours may form explosive mixtures with air. Do not breathe vapour/spray. All handling should only take place in well-ventilated areas. Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Do not eat, drink or smoke when using this product.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from sunlight. Keep away from food, drink and animal feeding stuffs.

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### 7.3. Specific end use(s)

Specific end use(s) Not known.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### **propan-2-ol**

Long-term exposure limit (8-hour TWA): 200 ppm 500 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): 250 ppm 620 mg/m<sup>3</sup>

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##### **Ethanol**

Long-term exposure limit (8-hour TWA): 1000 ppm 1900 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): 1300 ppm 2500 mg/m<sup>3</sup>

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#### 8.2. Exposure controls

##### **Appropriate engineering controls**

All handling should only take place in well-ventilated areas. Eye wash facilities and emergency shower must be available when handling this product.

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

Avoid contact with eyes. Wear tight-fitting, chemical splash goggles or face shield. If there is a risk of aerosol formation, full face mask should be used.

##### **Hand protection**

Wear protective gloves. To protect hands from chemicals, gloves should comply with European Standard EN374. It is recommended that gloves are made of the following material: Butyl rubber. Nitrile rubber. The selected gloves should have a breakthrough time of at least 8 hours.

##### **Other skin and body protection**

Wear suitable protective clothing as protection against splashing or contamination.

##### **Respiratory protection**

Avoid breathing vapour/spray. If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Gas filter, type A2. Check that the respirator fits tightly and the filter is changed regularly.

##### **Environmental exposure controls**

Store in a demarcated bunded area to prevent release to drains and/or watercourses.

### SECTION 9: Physical and Chemical Properties

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

##### **Appearance**

Liquid.

##### **Colour**

Clear.

##### **Odour**

Pungent. Alcoholic.

##### **Odour threshold**

-

##### **pH**

pH (concentrated solution): 4,7

##### **Melting point**

-

##### **Initial boiling point and range**

Isopropanol 82°C @ 1 atm, ethanol 78°C @ 1 atm

##### **Flash point**

Isopropanol 12°C ethanol 13°C

##### **Flammability (solid, gas)**

-

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<b>Upper/lower flammability or explosive limits</b>	Isopropanol Upper flammable/explosive limit: 2 % Lower flammable/explosive limit: 12 % ethanol Upper flammable/explosive limit: 3,3 % Lower flammable/explosive limit: 19 %
<b>Vapour pressure</b>	Isopropanol 4,1 kPa @ 20°C ethanol 5,8 kPa @ 20°C
<b>Vapour density</b>	Isopropanol 2,1 ethanol 1,6 (Air = 1.0)
<b>Relative density</b>	0,79-0,80 @ 20°C
<b>Solubility(ies)</b>	Completely soluble in water.
<b>Partition coefficient</b>	Isopropanol log Pow: 0,05-0,29 ethanol log Pow: -0,32
<b>Auto-ignition temperature</b>	-
<b>Decomposition Temperature</b>	-
<b>Viscosity</b>	10 s @ °C (din cup 4)
<b>Explosive properties</b>	-
<b>Oxidising properties</b>	-
<b>9.2. Other information</b>	
<b>Other information</b>	Not known.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** No potentially hazardous reactions known.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid exposure to high temperatures or direct sunlight. Volatile liquid. Heating may cause an explosion. Containers can burst violently or explode when heated, due to excessive pressure build-up.

#### 10.5. Incompatible materials

**Materials to avoid** Oxidising agents. Strong acids.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects** Not classified.

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Isopropanol LD<sub>50</sub> > 2000 mg/kg, Oral, Rat ethanol LD<sub>50</sub> = 7060 mg/kg, Oral, Rat

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Isopropanol LD<sub>50</sub> > 2000 mg/kg, Dermal, Rabbit

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### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Isopropanol LC<sub>50</sub> > 20 mg/l, Inhalation, Rat (8h)

### Skin corrosion/irritation

**Animal data** Repeated exposure may cause skin dryness or cracking. Based on available data the classification criteria are not met.

### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

### Germ cell mutagenicity

**Genotoxicity - in vivo** Based on available data the classification criteria are not met.

### Carcinogenicity

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

### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Based on available data the classification criteria are not met.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Vapours may cause headache, fatigue, dizziness and nausea.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Based on available data the classification criteria are not met.

### Aspiration hazard

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

## SECTION 12: Ecological Information

### 12.1. Toxicity

**Toxicity** The product is not expected to be hazardous to the environment. Based on available data the classification criteria are not met.

**Acute toxicity - fish** Isopropanol  
LC<sub>50</sub>, 96h : 6550-11300 mg/l,  
ethanol  
LC<sub>50</sub>, 96h : 12000-16000 mg/l,

**Acute toxicity - aquatic invertebrates** Isopropanol  
EC<sub>50</sub>, 24h : ~9700 mg/l, Daphnia magna  
ethanol  
LC<sub>50</sub>, 48h : 7560-14220 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** Isopropanol  
EC<sub>50</sub>, 72h : > 1000 mg/l, Algae

### 12.2. Persistence and degradability

**Persistence and degradability** Evaporates rapidly from surface water to atmosphere, where degrades.

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**Biodegradation** The product is readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product is not bioaccumulating.

**Partition coefficient** Isopropanol log Pow: 0,05-0,29 ethanol log Pow: -0,32

### 12.4. Mobility in soil

**Mobility** Evaporates rapidly from surface water to atmosphere, where degrades. The product is water-soluble and may spread in water systems. Expected to have a low potential for adsorption. Risk of soil and ground water contamination.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** No data available.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Do not reuse empty containers.

## SECTION 14: Transport information

### 14.1. UN number

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**UN No. (ADR/RID)** 1993

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** FLAMMABLE LIQUID, N.O.S. (isopropanol, ethanol)

### 14.3. Transport hazard class(es)

**ADR/RID class** 3

### 14.4. Packing group

**ADR/RID packing group** II

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

**Tunnel restriction code** (D/E)

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

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### SECTION 15: Regulatory information

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

##### EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

#### 15.2. Chemical safety assessment

No data available.

### SECTION 16: Other information

##### General information

For use in industrial installations or professional treatment only.

##### Key literature references and sources for data

The manufacturer's SDS.

##### Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

##### Revision date

09/06/2015

##### Supersedes date

17/04/2015

##### SDS number

4694

##### Risk phrases in full

R11 Highly flammable.  
R36 Irritating to eyes.  
R67 Vapours may cause drowsiness and dizziness.

##### Hazard statements in full

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.