

NESTE OIL

SAFETY DATA SHEET NESTE WHEELCOAT PRO

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

1.1. Product identifier

Product name	NESTE WHEELCOAT PRO
Product number	(ID 17997)
Internal identification	7575

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

Identified uses	Industrial chemical.
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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
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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)
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

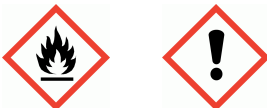
Classification

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.

NESTE WHEELCOAT PRO

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 propan-2-ol, Ethanol

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

propan-2-ol		< 75%
CAS number: 67-63-0	EC number: 200-661-7	REACH registration number: 01-2119457558-25-XXXX

Classification	Classification (67/548/EEC or 1999/45/EC)
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	

Ethanol		< 25%
CAS number: 64-17-5	EC number: 200-578-6	REACH registration number: 01-2119457610-43-XXXX

Classification	Classification (67/548/EEC or 1999/45/EC)
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.

NESTE WHEELCOAT PRO

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/m³

Short-term exposure limit (15-minute): 250 ppm 620 mg/m³

HTP 2014/FIN

Ethanol

Long-term exposure limit (8-hour TWA): 1000 ppm 1900 mg/m³

Short-term exposure limit (15-minute): 1300 ppm 2500 mg/m³

HTP 2014/FIN

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)	-

NESTE WHEELCOAT PRO

Upper/lower flammability or explosive limits	Isopropanol Upper flammable/explosive limit: 2 % Lower flammable/explosive limit: 12 % ethanol Upper flammable/explosive limit: 3,3 % Lower flammable/explosive limit: 19 %
Vapour pressure	Isopropanol 4,1 kPa @ 20°C ethanol 5,8 kPa @ 20°C
Vapour density	Isopropanol 2,1 ethanol 1,6 (Air = 1.0)
Relative density	0,79-0,80 @ 20°C
Solubility(ies)	Completely soluble in water.
Partition coefficient	Isopropanol log Pow: 0,05-0,29 ethanol log Pow: -0,32
Auto-ignition temperature	-
Decomposition Temperature	-
Viscosity	10 s @ °C (din cup 4)
Explosive properties	-
Oxidising properties	-
9.2. Other information	
Other information	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 LD₅₀) Isopropanol LD₅₀ > 2000 mg/kg, Oral, Rat ethanol LD₅₀ = 7060 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) Isopropanol LD₅₀ > 2000 mg/kg, Dermal, Rabbit

NESTE WHEELCOAT PRO

Acute toxicity - inhalation

Notes (inhalation LC₅₀) Isopropanol LC₅₀ > 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
LC₅₀, 96h : 6550-11300 mg/l,
ethanol
LC₅₀, 96h : 12000-16000 mg/l,

Acute toxicity - aquatic invertebrates Isopropanol
EC₅₀, 24h : ~9700 mg/l, Daphnia magna
ethanol
LC₅₀, 48h : 7560-14220 mg/l, Daphnia magna

Acute toxicity - aquatic plants Isopropanol
EC₅₀, 72h : > 1000 mg/l, Algae

12.2. Persistence and degradability

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

NESTE WHEELCOAT PRO

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.

NESTE WHEELCOAT PRO

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

This is first issue. NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date

09/06/2015

Supersedes date

17/04/2015

SDS number

4701

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.