



SAFETY DATA SHEET NESTE PRO+ V 0W-20

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

1.1. Product identifier

| | |
|-------------------------|---|
| Product name | NESTE PRO+ V 0W-20 |
| Product number | ID 19060 |
| Internal identification | 1177 |
| Synonyms; trade names | Previous product name: NESTE CITY PRO 0W-20, product number 0130, ID 16935. |

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

Identified uses Engine oil.

1.3. Details of the supplier of the safety data sheet

Supplier Neste Markkinointi Oy
Keilaranta 21, Espoo, P.O.B. 95, FIN-00095 NESTE, FINLAND
Tel. +358 10 45811
lubetec@neste.com

1.4. Emergency telephone number

National emergency telephone number +358-9-471 977, +358-9-4711, Poison Information Centre

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

| | |
|-----------------------|----------------|
| Physical hazards | Not Classified |
| Health hazards | Not Classified |
| Environmental hazards | Not Classified |

2.2. Label elements

| | |
|--------------------------------|---|
| Hazard statements | EUH208 Contains C14-16-18 Alkyl phenol. May produce an allergic reaction. |
| Supplemental label information | EUH210 Safety data sheet available on request. |

2.3. Other hazards

Other hazards Risk of soil and ground water contamination.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

NESTE PRO+ V 0W-20

| | |
|---|--|
| Distillates (petroleum), hydrotreated heavy paraffinic | 50 - < 60 % |
| CAS number: 64742-54-7 | EC number: 265-157-1 |
| | REACH registration number: 01-2119484627-25-XXXX |
| Classification | |
| Asp. Tox. 1 - H304 | |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based | 1 - < 2,5% |
| CAS number: 72623-86-0 | EC number: 276-737-9 |
| | REACH registration number: 01-2119474878-16-XXXX |
| Classification | |
| Asp. Tox. 1 - H304 | |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based | 1 - < 2,5% |
| CAS number: 72623-87-1 | EC number: 276-738-4 |
| | REACH registration number: 01-2119474889-13-XXXX |
| Classification | |
| Asp. Tox. 1 - H304 | |
| C14-16-18 Alkyl phenol | < 1 % |
| CAS number: — | EC number: 931-468-2 |
| | REACH registration number: 01-2119498288-19-XXXX |
| Classification | |
| Skin Sens. 1B - H317 | |
| STOT RE 2 - H373 | |

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

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 unless under the direction of medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms are severe or persist. |
| 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. Get medical attention if irritation persists after washing. |

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

| | |
|----------------------------|--|
| General information | The product contains a small amount of sensitising substance. May cause an allergic skin reaction. |
|----------------------------|--|

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

NESTE PRO+ V 0W-20

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media 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 None known.

Hazardous combustion products Carbon dioxide (CO₂). Carbon monoxide (CO). Hydrocarbons.

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 Wear suitable protective clothing as protection against splashing or contamination.

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. Contain spillage with sand, earth or other suitable non-combustible material. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with sand or other inert absorbent. Place waste in labelled, sealed containers. 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 Avoid inhalation of vapours and spray/mists. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. All handling should only take place in well-ventilated areas. Take precautionary measures against static discharges. For personal protection, see Section 8.

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 containers upright. Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

Specific end use(s) Not known.

SECTION 8: Exposure controls/Personal protection

NESTE PRO+ V 0W-20

8.1. Control parameters

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (CAS: 72623-86-0)

| | |
|-------------|--|
| DNEL | <p>Workers - Inhalation; Long term local effects: 5,4 mg/m³, (8h), Aerosol Consumer - Inhalation; Long term local effects: 1,2 mg/m³, (24h), Aerosol Available hazard data do not enable the derivation of a DNEL for dermal irritant effects. Available hazard data do not support the need for a DNEL to be established for other health effects.</p> |
|-------------|--|

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (CAS: 72623-87-1)

| | |
|-------------|--|
| DNEL | <p>Workers - Inhalation; Long term local effects: 5,4 mg/m³, (8h), Aerosol Consumer - Inhalation; Long term local effects: 1,2 mg/m³, (24h), Aerosol Available hazard data do not enable the derivation of a DNEL for dermal irritant effects. Available hazard data do not support the need for a DNEL to be established for other health effects.</p> |
|-------------|--|

8.2. Exposure controls

| | |
|---|---|
| Appropriate engineering controls | All handling should only take place in well-ventilated areas. Provide eyewash station and safety shower. |
| Eye/face protection | Tight-fitting safety glasses. |
| Hand protection | Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber. Butyl rubber. |
| Other skin and body protection | Wear suitable protective clothing as protection against splashing or contamination. |
| Respiratory protection | No specific recommendations. |
| 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 | Tan. |
| Odour | Petroleum. |
| Odour threshold | - |
| pH | - |
| Melting point | < -39°C Pour point |
| Initial boiling point and range | - |
| Flash point | 208°C Pensky-Martens closed cup. |
| Flammability (solid, gas) | - |
| Upper/lower flammability or explosive limits | - |
| Vapour pressure | - |

NESTE PRO+ V 0W-20

| | |
|---------------------------|------------------------------|
| Vapour density | - |
| Relative density | 0,843 @ 15°C |
| Solubility(ies) | Insoluble in water. |
| Partition coefficient | - |
| Auto-ignition temperature | - |
| Decomposition Temperature | - |
| Viscosity | 48 mm ² /s @ 40°C |
| 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. |
|---------------------|---|

10.5. Incompatible materials

| | |
|--------------------|-----------------------------------|
| Materials to avoid | Strong alkalis. Oxidising agents. |
|--------------------|-----------------------------------|

10.6. Hazardous decomposition products

| | |
|----------------------------------|--|
| Hazardous decomposition products | Carbon monoxide (CO). Carbon dioxide (CO ₂). Hydrocarbons. |
|----------------------------------|--|

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------|--|
| Toxicological effects | Based on available data the classification criteria are not met. |
|-----------------------|--|

Skin corrosion/irritation

| | |
|---------------------------|--|
| Skin corrosion/irritation | Based on available data the classification criteria are not met. |
|---------------------------|--|

Serious eye damage/irritation

| | |
|-------------------------------|--|
| Serious eye damage/irritation | Based on available data the classification criteria are not met. |
|-------------------------------|--|

Respiratory sensitisation

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

Skin sensitisation

| | |
|--------------------|---|
| Skin sensitisation | The product contains a small amount of sensitising substance. May cause an allergic skin reaction. Based on available data the classification criteria are not met. |
|--------------------|---|

NESTE PRO+ V 0W-20

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 Based on available data the classification criteria are not met.

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.

Toxicological information on ingredients.

Distillates (petroleum), hydrotreated heavy paraffinic

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ > 15000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ > 5000 mg/kg, Dermal, Rabbit

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ > 5000 mg/kg, Oral, Rat (OECD 401)

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ > 2000 mg/kg, Dermal, Rabbit (OECD 402)

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₅₀ > 5,53 mg/l, Inhalation, Rat (4h) (OECD 403)

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ > 5000 mg/kg, Oral, Rat (OECD 401)

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ > 2000 mg/kg, Dermal, Rabbit (OECD 402)

Acute toxicity - inhalation

Notes (inhalation LC₅₀) LC₅₀ > 5,53 mg/l, Inhalation, Rat (OECD 403)

C14-16-18 Alkyl phenol

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ > 2000 mg/kg, Oral, Rat

NESTE PRO+ V 0W-20

Acute toxicity - dermal

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

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.

Ecological information on ingredients.

Distillates (petroleum), hydrotreated heavy paraffinic

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours: > 100 mg/l,

Acute toxicity - aquatic invertebrates EL50, 48 hours: > 10000 mg/l,

Acute toxicity - aquatic plants EL50, 72 hours: > 100 mg/l,

Chronic aquatic toxicity

Chronic toxicity - fish early life stage NOEC, : 10 mg/l,

Chronic toxicity - aquatic invertebrates NOEC, : 10 mg/l,

Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours: > 100 mg/l,
NOEL, 96 hours: ≥ 100 mg/l,
WAF (OECD 203)

Acute toxicity - aquatic invertebrates EL50, 24 - 48 hours: > 10000 mg/l,
NOEL, 48 - 96 hours: ≥ 10000 mg/l,
LL₅₀, 24 - 96 hours: > 10000 mg/l,
WAF (OECD 202)

Acute toxicity - aquatic plants NOEL, 72 hours: ≥ 100 mg/l,
WAF (OECD 201)

Acute toxicity - microorganisms NOEL, 10 minutes: > 1,93 mg/l, Micro-organisms (wastewater sludge) (DIN 38412, DIN38409)

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates NOEL, 21 days: 10 mg/l, Daphnia magna
WAF (OECD 211)

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours: > 100 mg/l, Pimephales promelas (Fat-head Minnow)
NOEL, 96 hours: ≥ 100 mg/l,
WAF (OECD 203)

NESTE PRO+ V 0W-20

| | |
|---|--|
| Acute toxicity - aquatic invertebrates | EL50, 48 hours: > 10000 mg/l, Daphnia magna NOEL, 48 - 96 hours: ≥ 10000 mg/l, LL ₅₀ , 24 - 96 hours: > 10000 mg/l, WAF (OECD 202) |
| Acute toxicity - aquatic plants | NOEL, 72 hours: ≥ 100 mg/l, Pseudokirchneriella subcapitata WAF (OECD 201) |
| Acute toxicity - microorganisms | NOEL, 10 minutes: > 1,93 mg/l, Micro-organisms (wastewater sludge) (DIN 38412, DIN38409) |
| <u>Chronic aquatic toxicity</u> | |
| Chronic toxicity - fish early life stage | NOELR, 14 days: >= 1000 mg/l, Oncorhynchus mykiss (Rainbow trout) |
| Chronic toxicity - aquatic invertebrates | NOEL, 21 days: 10 mg/l, Daphnia magna WAF (OECD 211) |

C14-16-18 Alkyl phenol

Acute aquatic toxicity

| | |
|---|---|
| Acute toxicity - fish | LC ₅₀ , 96 hours: > 100 mg/l, Cyprinus carpio (Common carp) WAF |
| Acute toxicity - aquatic invertebrates | EC ₅₀ , 48 hours: > 100 mg/l, Daphnia magna (OECD TG 202) |
| Acute toxicity - aquatic plants | EC ₅₀ , 72 hours: > 100 mg/l, Pseudokirchneriella subcapitata WAF |

12.2. Persistence and degradability

| | |
|--------------------------------------|--------------------|
| Persistence and degradability | No data available. |
| Biodegradation | No data available. |

12.3. Bioaccumulative potential

| | |
|----------------------------------|---------------------------------------|
| Bioaccumulative potential | No data available on bioaccumulation. |
| Partition coefficient | - |

Ecological information on ingredients.

C14-16-18 Alkyl phenol

| | |
|------------------------------|----------------|
| Partition coefficient | log Pow: > 7,2 |
|------------------------------|----------------|

12.4. Mobility in soil

| | |
|-----------------|--------------------|
| Mobility | No data available. |
|-----------------|--------------------|

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 | Risk of soil and ground water contamination. |
|------------------------------|--|

SECTION 13: Disposal considerations

13.1. Waste treatment methods

NESTE PRO+ V 0W-20

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

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

-

UN No. (ADR/RID) -

14.2. UN proper shipping name

Proper shipping name (ADR/RID) -

14.3. Transport hazard class(es)

ADR/RID class -

14.4. Packing group

ADR/RID packing group -

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

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).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

Abbreviations and acronyms used in the safety data sheet DNEL = Derived No-Effect Level
NOEL = No Observed Effect Level
WAF = Water Accommodated Fraction

NESTE PRO+ V 0W-20

| | |
|---|---|
| Key literature references and sources for data | The manufacturer's SDS. 11.1.2017 |
| Revision comments | Revised formulation. NOTE: Lines within the margin indicate significant changes from the previous revision. |
| Revision date | 05/02/2020 |
| Supersedes date | 01/09/2017 |
| SDS number | 5617 |
| Hazard statements in full | H304 May be fatal if swallowed and enters airways. H317 May cause an allergic skin reaction. H373 May cause damage to organs through prolonged or repeated exposure. EUH208 Contains C14-16-18 Alkyl phenol. May produce an allergic reaction. |