



SAFETY DATA SHEET NESTE FARM UNIVERSAL 10W-30

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

1.1. Product identifier

Product name	NESTE FARM UNIVERSAL 10W-30
Product number	ID 19124
Internal identification	1861
Synonyms; trade names	Previous product number 1832, ID 10777.

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

Identified uses	Engine oil.
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1.3. Details of the supplier of the safety data sheet

Supplier

Neste Markkinointi Oy
Keilaranta 21, Espoo, PL 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 number

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	NC Not Classified
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2.3. Other hazards

Other hazards	Risk of soil and ground water contamination.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Distillates (petroleum), hydrotreated light paraffinic	40 - < 50 %
CAS number: 64742-55-8	EC number: 265-158-7
	REACH registration number: 01-2119487077-29-XXXX

Classification
Asp. Tox. 1 - H304

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	1 - < 2,5 %
CAS number: 68649-42-3	EC number: 272-028-3

Classification
Skin Irrit. 2 - H315
Eye Dam. 1 - H318
Aquatic Chronic 2 - H411

Nonylphenol polyethoxylate	0,1 - < 0,25 %
CAS number: 9016-45-9	

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319
Aquatic Chronic 2 - H411

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

Other information Distillates (petroleum), hydrotreated light paraffinic (CAS: 64742-55-8), DMSO < 3% (IP 346).

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 May cause eye and respiratory system irritation.

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

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.

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5.2. Special hazards arising from the substance or mixture

Specific hazards Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.

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

8.1. Control parameters

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.

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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	< -33°C Pour point
Initial boiling point and range	> 225°C
Flash point	194°C PMCC (Pensky-Martens closed cup).
Flammability (solid, gas)	-
Upper/lower flammability or explosive limits	-
Vapour pressure	-
Vapour density	-
Relative density	~ 0,872 @ 15,6°C
Solubility(ies)	Slightly soluble in water.
Partition coefficient	-
Auto-ignition temperature	-
Decomposition Temperature	-
Viscosity	~ 69 mm ² /s @ 40°C ; ~ 10,5 mm ² /s @ 100°C
Explosive properties	-
Oxidising properties	-

9.2. Other information

Other information	Not known.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

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

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon dioxide (CO₂). Carbon monoxide (CO). 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 May irritate eyes. Based on available data the classification criteria are not met. Supplier's information. Bridging principle (Dilution).

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 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.

Distillates (petroleum), hydrotreated light paraffinic

Acute toxicity - oral

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

NESTE FARM UNIVERSAL 10W-30**Acute toxicity - dermal**

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

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts**Acute toxicity - oral**

Notes (oral LD₅₀) LD₅₀ > 2000 - 5000 mg/kg, Oral, Rat

Acute toxicity - dermal

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

Nonylphenol polyethoxylate**Acute toxicity - oral**

Notes (oral LD₅₀) LD₅₀ 4290 mg/kg, Oral, Mouse
Toxicological data are based on tests with corresponding products or components.

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.

Nonylphenol polyethoxylate

Acute toxicity - fish LC₅₀, : 4,3 - 5 mg/l, Pimephales promelas (Fat-head Minnow)
LC₅₀, 144 hours: 2,9 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1821 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 48 hours: 20 mg/l, Pseudokirchneriella subcapitata

12.2. Persistence and degradability

Persistence and degradability No data available.

Biodegradation No data available.

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts

Biodegradation 1,5 %, 28d

Nonylphenol polyethoxylate

Biodegradation 97 %, 30d

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient -

Nonylphenol polyethoxylate

Partition coefficient log Pow: 4,48

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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

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

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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 Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

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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).
Authorisations (Title VII Regulation 1907/2006)	This product is/contains a substance that is included in REGULATION (EC) No 1907/2006 (REACH) ANNEX XIV - LIST OF SUBSTANCES SUBJECT TO AUTHORISATION. Nonylphenol polyethoxylate (CAS 9016-45-9).

15.2. Chemical safety assessment

No data available.

SECTION 16: Other information

Key literature references and sources for data	The manufacturer's SDS. 31.7.2016
Revision comments	Product name change. Updated, sections: 11, 12, 15
Revision date	01/09/2017
Supersedes date	17/06/2015
SDS number	4704
Hazard statements in full	H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.