



## SAFETY DATA SHEET NESTE ALLREX EP 1

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

#### 1.1. Product identifier

Product name	NESTE ALLREX EP 1
Product number	ID 14780
Internal identification	7021

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

Identified uses	Lubricating grease.
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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, FIN-00095 NESTE, FINLAND Tel. +358 10 45811 lubetec@neste.com
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#### 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	EUH208 Contains Naphthenic acids, zinc salts, basic. May produce an allergic reaction.
Supplemental label information	EUH210 Safety data sheet available on request.

#### 2.3. Other hazards

Other hazards	This product does not contain any substances classified as PBT or vPvB.
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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

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<b>Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)</b> <span style="float: right;"><b>&lt; 1,3 %*</b></span>		
CAS number: 4259-15-8	EC number: 224-235-5	REACH registration number: 01-2119493635-27-XXXX

### Classification

Eye Dam. 1 - H318  
Aquatic Chronic 2 - H411

### Naphthenic acids, zinc salts, basic

**< 1 %**

CAS number: 84418-50-8	EC number: 282-762-6	REACH registration number: 01-2119988500-34-XXXX
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### Classification

Eye Irrit. 2 - H319  
Skin Sens. 1 - H317  
Aquatic Chronic 3 - H412

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

**Other information**                      Lithium complex grease, DMSO < 3% (IP 346).  
Special concentration limit, \* CAS: 4259-15-8 Eye Dam. 1 (H318); > 50 - 100 %

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting unless under the direction of medical personnel. Get medical attention if symptoms are severe or persist.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water.
<b>Eye contact</b>	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

**Notes for the doctor**                      Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Water spray, foam, dry powder or carbon dioxide.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	None known.
<b>Hazardous combustion products</b>	Irritating gases or vapours. Toxic gases or vapours.

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### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	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.
<b>Special protective equipment for firefighters</b>	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

<b>Personal precautions</b>	Wear suitable protective clothing as protection against splashing or contamination. Take care as floors and other surfaces may become slippery.
<b>For emergency responders</b>	Keep unnecessary and unprotected personnel away from the spillage.

### 6.2. Environmental precautions

<b>Environmental precautions</b>	Stop leak if safe to do so. Avoid releasing into the environment. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Collect spillage. Absorb spillage with sand or other inert absorbent. Place waste in labelled, sealed containers. Dispose of waste via a licensed waste disposal contractor.
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### 6.4. Reference to other sections

<b>Reference to other sections</b>	For personal protection, see Section 8.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Usage precautions</b>	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. Take care as floors and other surfaces may become slippery. For personal protection, see Section 8.
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### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage precautions</b>	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. Store at temperatures between 0°C and 45°C. Keep away from heat, sparks and open flame.
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### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	Not known.
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## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

<b>Appropriate engineering controls</b>	All handling should only take place in well-ventilated areas.
<b>Eye/face protection</b>	Tight-fitting safety glasses.
<b>Hand protection</b>	Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber. If exposed to large concentrations: The selected gloves should have a breakthrough time of at least 8 hours.
<b>Other skin and body protection</b>	Wear suitable protective clothing as protection against splashing or contamination.
<b>Respiratory protection</b>	No specific recommendations.

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**Environmental exposure controls**      Store in a demarcated banded 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	Grease. Paste.
Colour	Tan.
Odour	-
Odour threshold	-
pH	-
Melting point	-
Initial boiling point and range	-
Flash point	> 150°C
Flammability (solid, gas)	-
Upper/lower flammability or explosive limits	-
Vapour pressure	-
Vapour density	-
Relative density	< 1,0 @ 25°C
Solubility(ies)	Insoluble in water.
Partition coefficient	-
Auto-ignition temperature	-
Decomposition Temperature	-
Viscosity	-
Explosive properties	-
Oxidising properties	-

#### 9.2. Other information

**Other information**      NLGI 1

### 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.

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### 10.5. Incompatible materials

**Materials to avoid**                      Oxidising agents.

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

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)**                              5064 mg/kg, (calculated)

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)**                            3200 mg/kg, (calculated)

#### 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**                    Vapours may cause headache, fatigue, dizziness and nausea. Based on available data the classification criteria are not met.

#### Skin sensitisation

**Skin sensitisation**                              Based on available data the classification criteria are not met. The product contains a small amount of sensitising substance. May cause an allergic skin reaction. Prolonged skin contact may cause redness and irritation.

#### 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.

**Ingestion**                                        May cause discomfort if swallowed. Based on available data the classification criteria are not met.

### Toxicological information on ingredients.

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### Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)

#### Acute toxicity - oral

Notes (oral LD<sub>50</sub>) LD<sub>50</sub> 3100 mg/kg, Oral, Rat (OECD 401)

#### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) LD<sub>50</sub> > 5000 mg/kg, Dermal, Rabbit (OECD 402)

### Naphthenic acids, zinc salts, basic

#### Acute toxicity - oral

Notes (oral LD<sub>50</sub>) LD<sub>50</sub> > 2000 mg/kg, Oral,

## 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.

#### Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)

#### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hours: 4,4 mg/l, Oncorhynchus mykiss (Rainbow trout) WAF (OECD TG 203)

**Acute toxicity - aquatic invertebrates** EL50, 48 hours: 75 mg/l, Daphnia magna WAF (OECD TG 202)

**Acute toxicity - aquatic plants** EL50, 72 hours: 410 mg/l, Desmodium subspicatus WAF

### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

**Biodegradation** Not readily biodegradable.

### Ecological information on ingredients.

#### Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)

**Biodegradation** < 5 %, 27 d (OECD TG 310D)

### 12.3. Bioaccumulative potential

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

**Partition coefficient** -

### 12.4. Mobility in soil

**Mobility** The product is insoluble in water.

### 12.5. Results of PBT and vPvB assessment

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

### 12.6. Other adverse effects

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**Other adverse effects**                      Avoid release to the environment. WGK 1

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal methods**                      Waste is classified as hazardous waste. 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.

**Waste class**                                13 08 99\*

### 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

**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

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No data available.

### SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet**      WAF = Water Accommodated Fraction

**Key literature references and sources for data**      The manufacturer's SDS. 16.9.2019

**Revision comments**      Revised classification. NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision date**      29/01/2020

**Supersedes date**      24/09/2019

**SDS number**      4865

**Hazard statements in full**      H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
EUH208 Contains Naphthenic acids, zinc salts, basic. May produce an allergic reaction.