

Date 20.3.2014

Previous date: 1.8.2011

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

1.1.1 Commercial Product Name

NESTE HYPOIDI MP 90

1.1.2 Product code

(ID 16109) 2429

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

1.2.1 Recommended use

Gear oil

1.3 Details of the supplier of the safety data sheet

1.3.1 Supplier

Neste Markkinointi Oy

Street address

Keilaranta 21

Postcode and post office

Espoo

FINLAND

P.O.Box

P.O.B. 95

Postcode and post office

FIN-00095 NESTE OIL

FINLAND

Telephone

+358- 10 45811

Telefax

+358- 10 45 84442

Business ID

1626490-8

Email

lubetec@nesteoil.com

1.4 Emergency telephone number

1.4.1 Telephone number, name and address

+358-9-471 977, +358-9-4711, Poison Information Centre/HUS

P.O.B 340 (Tukholmankatu 17) 00029 HUS (Helsinki, Finland)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

67/548/EEC - 1999/45/EC

Xi; R43

2.2 Label elements

Contains Oleylamine, Formaldehyde, reaction products with branched and linear heptylphenol, carbon disulfide and hydrazine, and React. prod. of bis(2-methylpentan-2-yl)dithiophosphoricacid + phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched). May produce an allergic reaction.

67/548/EEC - 1999/45/EC

Xi

Irritant

R-phrases(s)

R43

May cause sensitization by skin contact.

S-phrases(s)

S2

Keep out of the reach of children.

S23

Do not breathe vapour.

S24

Avoid contact with skin.

S37

Wear suitable gloves.

S46

If swallowed, seek medical advice immediately and show this container or label.

S56

Dispose of this material and its container to hazardous or special waste collection point.

2.3 Other hazards

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous components

CAS number (list number)	Chemical name of the substance	Concentration	Classification
931-384-6	React. prod. of bis(2-methylpentan-2-yl)dithiophosphoricacid + phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched)	1 - < 2,5 %	CLP: Acute Tox. 4; H302 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Chronic 2; H411 Flam. Liq. 3; H226 DSD-DPD: Xn; R22 Xi; R41-R43 N; R51/53
112-90-3 204-015-5	Oleylamine	0,25 - < 0,5 %	CLP: Acute Tox. 4; H302 Skin Corr. H314 Skin Sens. 1; H317 Aquatic Acute 1; H400 DSD-DPD: C; R34 Xn; R22 Xi; R43 N; R50
93925-00-9 300-298-5	Formaldehyde, reaction products with branched and lineaqr heptylphenol, carbon disulfide and hydrazine	0,1 - < 0,25 %	CLP: Skin Irrit. 2; H315 Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Chronic 3; H412 DSD-DPD: Xi; R38, R41, R43, R52/53

3.3 Other information

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4. FIRST AID MEASURES

4.1 Description of first aid measures

Consult a physician. Show this safety data sheet to the doctor in attendance.

4.1.2 Inhalation

Move to fresh air. If symptoms persist, call a physician. In case of shortness of breath, give oxygen.

4.1.3 Skin contact

Remove contaminated clothing and shoes. Wash off immediately with plenty of water. Wash clothing before reuse. If skin irritation persists, call a physician.

4.1.4 Eye contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists. Remove contact lenses.

4.1.5 Ingestion

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

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4.2 Most important symptoms and effects, both acute and delayed

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: Gastrointestinal discomfort, Irritation (Nose, Throat, Respiratory ducts)

4.3 Indication of immediate medical attention and special treatment needed

no data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

5.1.1 Suitable extinguishing media

ABC powder, Water mist, Carbon dioxide (CO₂), Dry powder

5.1.2 Extinguishing media which must not be used for safety reasons

Halons

5.2 Special hazards arising from the substance or mixture

no data available

5.3 Advice for firefighters

Self-contained breathing apparatus and full protective clothing.

5.4 Specific methods

Do not allow run-off from fire fighting to enter drains or water courses. Keep containers and surroundings cool with water spray. Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Persons not wearing appropriate protective equipment should not enter the spill area before cleaning has been completed.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Large spills should be collected mechanically (remove by pumping) for disposal. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid formation of aerosol. Do not breathe vapours or spray mist. For personal protection see section 8. Provide sufficient air exchange and/or exhaust in work rooms. Smoking, eating and drinking should be prohibited in the application area. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Stable under recommended storage conditions.

7.3 Specific end use(s)

-

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Threshold limits

Oil mist 5 mg/m³ (8 h)
HTP 2011 / FIN

8.1.2 Other information on limit values

-

8.1.3 Limit values in other countries

-

8.1.4 DNELs

-

8.1.5 PNECs

-

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Provide efficient ventilation when handling the product. Ensure that eyewash stations and safety showers are close to the workstation location. Avoid contact with skin, eyes and clothing. Keep away from food, drink and animal feeding stuffs. When using, do not eat, drink or smoke.

8.2.2 Individual protection measures

8.2.2.1 Respiratory protection

Usually not needed.

8.2.2.2 Hand protection

Protective gloves (nitrile rubber, butyl-rubber)

8.2.2.3 Eye/face protection

Safety glasses with side-shields.

8.2.2.4 Skin protection

Protective clothing when needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

9.1.1 Appearance

Liquid, amber

9.1.2 Odour

oily

9.1.3 Odour threshold

-

9.1.4 pH

-

9.1.5 Melting point/freezing point

-

9.1.6 Initial boiling point and boiling range

>350 °C

9.1.7 Flash point

>180 °C

9.1.8 Evaporation rate

-

9.1.9 Flammability (solid, gas)

-

9.1.10 Explosive properties

9.1.10.1 Lower explosion limit

-

9.1.10.2 Upper explosion limit

-

9.1.11 Vapour pressure

-

9.1.12 Vapour density

-

9.1.13 Relative density

0,899 @ 20 °C

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9.1.14	Solubility(ies)	
9.1.14.1	Water solubility	insoluble
9.1.15	Partition coefficient: n-octanol/water	-
9.1.16	Auto-ignition temperature	-
9.1.17	Decomposition temperature	-
9.1.18	Viscosity	Kinematic viscosity: 177 mm ² /s @ 40 °C
9.1.19	Explosive properties	-
9.1.20	Oxidising properties	-
9.2	Other information	-

10. STABILITY AND REACTIVITY

- 10.1 Reactivity**
None known.
- 10.2 Chemical stability**
No hazards to be specially mentioned.
- 10.3 Possibility of hazardous reactions**
Hazardous polymerisation does not occur.
- 10.4 Conditions to avoid**
None known.
- 10.5 Incompatible materials**
Strong oxidizing agents
- 10.6 Hazardous decomposition products**
Aldehydes, Carbon dioxide (CO₂), Carbon monoxide, Sulphur oxides, Nitrogen, Phosphor, Hydrocarbons

11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects**
- 11.1.1 Acute toxicity**
Oleylamine
LD50/oral/rat 0 1950 mg/kg
- 11.1.2 Irritation and corrosion**
no data available
- 11.1.3 Sensitisation**
May produce an allergic reaction.
- 11.1.4 Subacute, subchronic and prolonged toxicity**
no data available
- 11.1.5 STOT-single exposure**
no data available
- 11.1.6 STOT-repeated exposure**
no data available
- 11.1.7 Aspiration hazard**
No aspiration toxicity classification
- 11.1.8 Other information on acute toxicity**
None known.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

12.1.1 Aquatic toxicity

Product: no data available

Oleylamine:

LC50 = 0,11 mg/l, 96 h, Pimephales promelas (rasvapäämutu)

EC50 = 0,011 mg/l, 48 h, Daphnia magna (vesikirppu)

EC50 = 0,03 mg/l, 96 h, viherlevä

M-factor: 10

12.1.2 Toxicity to other organisms

no data available

12.2 Persistence and degradability

12.2.1 Biodegradation

Product: no data available

Oleylamine: 44 %, 28 d

12.2.2 Chemical degradation

no data available

12.3 Bioaccumulative potential

Bioaccumulative potential can not be determined.

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of in accordance with the European Directives on waste and hazardous waste. Do not contaminate ponds, waterways or ditches with chemical or used container. Container hazardous when empty. Dispose of in accordance with local regulations.

13.2 Waste from residues / unused products

Empty packaging: Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste disposal facility for recycling or disposal. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

USED OILS: Avoid repeated contact with skin. Take care of package and dispose used oil in an appropriate collection point.

14. TRANSPORT INFORMATION

14.1 UN number

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

14.2 UN proper shipping name

-

14.3 Transport hazard class(es)

-

14.4 Packing group

-

14.5 Environmental hazards

-

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14.6 Special precautions for users

-

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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15. REGULATORY INFORMATION

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. Updated according to regulation (EU) N:o 453/2010 amending regulation (EC) N:o 1907/2006 (REACH).

15.2 Chemical safety assessment

no data available

16. OTHER INFORMATION

16.1 Additions, Deletions, Revisions

Updated according to regulation (EU) N:o 453/2010 amending regulation (EC) N:o 1907/2006 (REACH).

16.2 Key or legend to abbreviations and acronyms

CLP = Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

DSD = Council Directive (67/548/EEC) on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances

DPD = Directive 1999/45/EC of the European Parliament and of the Council concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations

16.3 Key literature references and sources for data

Producer's SDS 23.4.2013

16.5 List of relevant R phrases, hazard statements, safety phrases and/or precautionary statements

R22	Harmful if swallowed.
R34	Causes burns.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R50	Very toxic to aquatic organisms.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.8 Further information

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