

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

1.1 Identification of the substance/preparation

1.1.1 Product Name

NESTE ATF-X

1.1.2 Product code

293000, LB 2568,

1.2 Use of the Substance/Preparation

1.2.1 Expressed in writing

Automatic gear oil

1.3 Company/Undertaking Identification

1.3.1 Supplier

Neste Markkinointi Oy

1.3.2 Contact information:

Street address

Keilaranta 8

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

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 (Haartmaninkatu 4) 00029 HUS (Helsinki, Finland)

2. HAZARDS IDENTIFICATION

FIRE AND EXPLOSION HAZARD: Product is not classified hazardous.

HEALTH HAZARD: Product is not classified hazardous. Prolonged or repeated skin contact may irritate the skin and produce dermatitis.

ENVIRONMENTAL HAZARD: Product is not classified hazardous. Risk of soil and ground water contamination.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Hazardous components

3.1.1 CAS number	3.1.2 Chemical name of the substance	3.1.3 Concentration	3.1.4 Warning symbol, R phrases and other information
101316-72-7	Base oil - unspecified	> 70 %	- DMSO extract < 3 % (IP 346)
68037-01-4	Synthetic hydrogenated base oil	< 20 %	-
72623-87-1	Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based	> 5 %	- DMSO extract < 3 % (IP 346)
64742-54-7	Base oil - unspecified	> 5 %	- DMSO extract < 3 % (IP 346)
Polymer	Polymetacrylate	< 2 %	-; R53
Polymer	Calcium sulphonate	< 0,5 %	Xi; R43
Polymer	Calcium sulphonate	< 0,5 %	-; R53
61791-44-4	Ethoxylated amine	0,1 %	C; N; R22-34-43-50

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Date 12.2.2008

Previous date: 16.6.2006

142-90-5	Dodecylmetacrylate	< 0,1 %	Xi; R36/37/38; N; R50/53
-	Dodecyl hydroxypropyl sulphide	< 1 %	N; R51/53
122-39-4	Diphenylamine	< 0,1 %	T; R23/24/25;R33;N; R50-53

4. FIRST AID MEASURES

4.1 Additional advice

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4.2 Inhalation

If the person exposed to oil mist or vapour has fatigue or nausea, he shall be moved into fresh air. If symptoms persist, call a physician.

4.3 Skin contact

Remove contaminated clothing. Wash the skin with plenty of water and soap. If skin irritation persists, call a physician.

4.4 Eye contact

Flush eye(s) immediately with plenty of water. If eye irritation persists, consult a specialist.

4.5 Ingestion

DO NOT INDUCE VOMITING. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Foam, dry powder, carbon dioxide (on small fires)

5.2 Extinguishing media which must not be used for safety reasons

Water.

5.4 Special protective equipment for firefighters

Self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

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6.2 Environmental precautions

Restrict spreading of product into sewer, the ground, surface and ground water by embanking with sand, soil or other suitable absorptive material.

6.3 Methods for cleaning up

Take up mechanically and collect in suitable container for disposal. Small amounts can be collected using absorbent material. Product waste should be disposed in accordance with item 13.

6.4 Further information

In case of spill, immediately contact local authorities.

7. HANDLING AND STORAGE

7.1 Handling

Wear safety shoes while handling containers.

7.2 Storage

Keep tightly closed in a dry and cool place. Take precautionary measures to prevent product spills into drains, the ground or waters.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Limit Values

8.1.1 Threshold limits

Oil mist*	5 mg/m ³ (8 h) HTP 2007/FIN	
Diphenylamine**	5 mg/m ³ (8 h) HTP 2007/FIN	10 mg/m ³ (15 min)

8.1.2 Other information on limit values

The occupational exposure monitoring method: Oil mist *: NIOSH Method 5026, SFS-EN 689, ** NIOSH 2540, LC .

8.2 Exposure controls

8.2.1 Occupational exposure controls

Wash the hands before breaks and after work. Provide efficient ventilation when handling the product. Avoid skin contact and inhalation of oil mist. Use personal protective equipment and/or local ventilation when needed.

8.2.1.1 Respiratory protection

Usually not needed. In case of insufficient ventilation wear suitable respiratory equipment. Oil mist: respirator (combined particle and organic vapour filter, type A2/P2).

8.2.1.2 Hand protection

Nitrile rubber, PVC disposable gloves. Change protective gloves often enough.

8.2.1.3 Eye protection

Safety goggles if there is a risk of splashing. Face shield when needed.

8.2.1.4 Skin and body protection

Protective clothing when needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General Information (appearance, odour)

Liquid, red, oily

9.2 Important Health Safety and Environmental Information

9.2.1	pH	-
9.2.2	Boiling point/range	> 200°C
9.2.3	Flash point	> 175 °C (ASTM D 92)
9.2.5	Explosive properties	
9.2.5.1	Lower explosion limit	-
9.2.5.2	Upper explosion limit	-
9.2.7	Vapour pressure	< 1 Pa (100 °C)
9.2.8	Relative density	0,86 (15°C)
9.2.9	Solubility	
9.2.9.1	Water solubility	Insoluble.
9.2.9.2	Fat solubility (solvent - oil to be specified)	-
9.2.10	Partition coefficient (n-octanol/water)	-
9.2.11	Viscosity	Kinematic viscosity: 38 mm ² /s(=cSt) (40 °C)

10. STABILITY AND REACTIVITY

10.2 Materials to avoid

Strong acids and oxidising agents.

10.3 Hazardous decomposition products

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11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

Very low toxicity when swallowed (LD50/oral/rat > 2000 mg/kg) and in contact with skin (LD50/dermal/rabbit > 2000 mg/kg).

11.2 Irritation and corrosion

May be slightly irritating to the skin and the eyes.

11.3 Sensitisation

Contains < 1% substance, which may cause sensitization.

11.4 Subacute, subchronic and prolonged toxicity

Prolonged skin contact may cause skin irritation and/or dermatitis.

11.5 Human experience

Oil mist irritates the eyes and the respiratory tract. Prolonged or repeated skin contact may irritate the skin and produce dermatitis.

11.6 Further information

No data is available on the product itself. Toxicological data are based on tests with corresponding products or components.

Used oils may contain accumulated contaminants dangerous to health and the environment.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

12.1.1 Aquatic toxicity

Very low toxicity (LC50/96h/fish > 100 mg/l, estimate).

12.2 Mobility

Product does not evaporate from surface soil or water. It is insoluble in water. Product can penetrate soil until reaching the surface of ground water. Degradation occurs extremely slowly under anaerobic conditions. Base oil hydrocarbons can be adsorbed onto organic material in soil or sediment.

12.3 Persistence and degradability

12.3.1 Biological degradability

Not readily degradable.

12.4 Bioaccumulative potential

Base oil hydrocarbons are possibly accumulative.

13. DISPOSAL CONSIDERATIONS

Used oil is hazardous waste. Product waste should be treated according to national regulations and local authorities' advice. When handling the waste note the hazards and take care of necessary safety measures, labelling and information.

14. TRANSPORT INFORMATION

14.1 UN-No -

14.2 Packaging group -

14.3 Land transport

14.3.1 ADR/RID -

14.4 Sea transport

14.4.1 IMDG -

14.5 Air transport

14.5.1 ICAO/IATA -

15. REGULATORY INFORMATION

15.1 Information on the warning label

15.1.1 Letter code of the warning symbol and indications of danger for the preparation

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15.1.2 Names of the ingredients given on the warning label

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15.1.5 Special regulations on certain preparations

Contains calcium sulphonate and ethoxylated amine. May produce an allergic reaction.

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

16. OTHER INFORMATION

16.1 List of relevant R phrases

R22	Harmful if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R33	Danger of cumulative effects.
R34	Causes burns.
R36/37/38	Irritating to eyes, respiratory system and skin.
R43	May cause sensitization by skin contact.
R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	May cause long-term adverse effects in the aquatic environment.

16.4 Further Information

Neste Markkinointi Oy/Lubrication, product information, tel. +358 (0)10 45 854 10, e-mail: lubetec@nesteoil.com

16.5 Literary reference

Regulations, databases, literature, own researches.

16.6 Additions, Deletions, Revisions

1, 2, 3, 8, 16