

Date 10.9.2008

Previous date: -

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

1.1 Identification of the substance or preparation

1.1.1 Product name

NESTE MICROWASH XQ

1.1.2 Product code

758700,

1.2 Use of the substance/preparation

1.2.1 Expressed in writing

detergent.

1.3 Company/undertaking identification

1.3.1 Supplier

Neste Markkinointi Oy

1.3.2 Contact information

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

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: Irritating to eyes. Repeated exposure may cause skin dryness or cracking.

ENVIRONMENTAL HAZARD: Product is not classified hazardous.

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
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	20 %	Xn; R65-66
34398-01-1	Alcohol ethoxylate	6 %	Xi; R36/38
68439-46-3	Alcohol ethoxylate, C9-11, 4EO	4 %	Xi; R41
68439-46-3	Alcohol ethoxylate, C9-11, 6EO	2 %	Xi; R22-41
61791-31-9	Coconut acid, diethanolamide	1 %	Xi; R38-41
112-34-5	2-(2-Butoxyethoxy)ethanol	2 %	Xi; R36
5064-31-3	Trisodiumnitrilotriacetate	2 %	Xn; R22-36
Polymer	Isotridecanol ethoxylate, polymer	2 %	Xn; R22-41

3.1.7 Other information

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CAS 64742-82-1: Contains aromatics 14...20 vol-%, Benzene content < 0,1%.
Ingredients of isotridecanol ethoxylate, polymer are listed in EINECS.

4. FIRST AID MEASURES

4.1 Additional advice

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4.2 Inhalation

If vapour is inhaled, remove the person to fresh air.

4.3 Skin contact

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

4.4 Eye contact

Rinse immediately with plenty of water, also under the eyelids. Continue irrigation for several minutes while moving eyes to extreme positions. If eye irritation persists, consult a specialist.

4.5 Ingestion

DO NOT INDUCE VOMITING. Consult a physician.

4.6 Information to doctor or other trained persons giving first aid

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Foam, dry powder, carbon dioxide.

5.2 Extinguishing media which must not be used for safety reasons

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5.3 Special exposure hazards in a fire

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5.4 Special protection equipment for firefighters

Self-contained breathing apparatus and full protective clothing.

5.5 Specific methods

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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

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6.2 Environmental precautions

Collect liquid before it spreads into drains, the ground and waters.

6.3 Clean-up methods

Immediately start clean-up of the liquid and contaminated soil. Product waste should be disposed according to national regulations (item 13).

6.4 Further information

In case of spill, immediately contact local authorities.

7. HANDLING AND STORAGE

7.1 Handling

Wear protective equipment when needed.

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7.2 Storage

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

Solvent naphtha, group 2	200 mg/m ³ (8 h)	
	HTP 2007/FIN	
2-(2-Butoxyethoxy)ethanol	10 ppm (8 h)	68 mg/m ³ (8 h)
	skin, HTP 2007/FIN	

8.1.2 Other information on limit values

The individual limit values can also be applied for the petrol hydrocarbons.
The occupational exposure monitoring method: SFS-EN 689, SFS-3861

8.2 Exposure controls

8.2.1 Occupational exposure controls

Wear protective equipment when needed. Thoroughly clean contaminated skin and change dirty clothing and equipment.

8.2.1.1 Respiratory protection

Not required; except in case of aerosol formation. Respirator (organic vapour filter, type A2).
Filter device could be used maximum 2 hours at a time. Filter devices must not be used in conditions where the oxygen level is low (< 17 vol.-%). At high concentrations a breathing apparatus must be used (self-contained or fresh air hose breathing apparatus). Filter must be changed often enough.

8.2.1.2 Hand protection

Protective gloves e.g. of nitrile rubber; penetration time > 480 min. Change protective gloves regularly.

8.2.1.3 Eye protection

Face-shield or at least tightly fitting safety goggles if there is a risk of splashing.

8.2.1.4 Skin protection

Protective clothing when needed.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information (appearance, odour)

A clear liquid with low viscosity. A typical hydrocarbon odour. Colour red.

9.2 Important health, safety and environmental information

9.2.1	pH	~ 10
9.2.2	Boiling point/range	-
9.2.3	Flash point	Minimum 61°C (ISO 2719)
9.2.5	Explosive properties	
9.2.5.1	Lower explosive limit	1,4 vol-%
9.2.5.2	Upper explosive limit	7,6 vol-%
9.2.7	Vapour pressure	Appr. 1 kPa (38 °C; water= 6,5 kPa)
9.2.8	Relative density	Approx. 0,96 (15/4 °C; water= 1)
9.2.9	Solubility	
9.2.9.1	Water solubility	Completely miscible.
9.2.9.2	Fat solubility (solvent /oil to be specified)	-
9.2.10	Partition coefficient (n-octanol/water)	Naphtha hydrocarbons log Kow = 3...6.
9.2.11	Viscosity	-

9.3 Other information

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10. STABILITY AND REACTIVITY

10.1 Conditions to avoid

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10.2 Materials to avoid

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10.3 Hazardous decomposition products

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11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

Very low toxicity when swallowed (LD50 > 2000 mg/kg, rat), in contact with skin (LD50 > 2000 mg/kg, rabbit) and when inhaled (LC50 > 5000 mg/m³, rat).

11.2 Irritation and corrosion

Irritating to eyes.

Heavy hydrodesulfurized naphtha stream (CAS 64742-82-1): non-irritating on the skin (rabbit, 4 h, estimate) and in the eyes (rabbit).

11.3 Sensitisation

Non-sensitizing (estimate).

11.5 Human experience

Prolonged or repeated skin contact may irritate the skin and produce dermatitis.

11.6 Further information

Toxicological data are based on tests with corresponding products or components

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

12.1.1 Aquatic toxicity

Naphtha (petroleum), hydrodesulfurized, heavy (CAS 64742-82-1): Low toxicity (LC50 = >100 mg/l; estimate).

12.1.2 Toxicity to other organisms

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12.2 Mobility

Product can penetrate soil until reaching ground water, where the most soluble components will spread. Degradation occurs extremely slowly under anaerobic conditions. High-molecular naphtha hydrocarbons can be adsorbed onto organic material in soil or sediment (log Kow 3...6).

12.3 Persistence and degradability

12.3.1 Biodegradation

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Biodegradable (estimate).

Heavy hydrodesulfurized naphtha stream (CAS 64742-82-1): readily biodegradable (75 %, oxygen consumption, 28 d). Volatilization is the fastest and most dominant elimination process in surface water and soil.

alcohol ethoxylate, C9-11, 4EO: Readily biodegradable (99 % after 28 days).

alcohol ethoxylate, C9-11, 6EO: Readily biodegradable (99 % after 28 days).

alcohol ethoxylate: Readily biodegradable (> 90 % after 28 days).

Coconut amide, DEA: Readily biodegradable (> 75 % after 28 days).

2-(2-Butoxyethoxy)ethanol: Readily biodegradable (77 % after 20 days).

12.3.2 Chemical degradation

Does not hydrolyze in water. Volatile hydrocarbons are degradable by atmospheric chemistry.

12.4 Bioaccumulative potential

Kerosine hydrocarbons are possibly accumulative (log Kow 3...6), but readily volatile.

12.6 Other adverse effects

No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

Product waste should be treated according to national regulations and local authorities' advice.

14. TRANSPORT INFORMATION

14.1 UN-No -

14.3 Land transport

14.3.4 Further information

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

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

Xi Irritant

15.1.3 R-phrases

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

15.1.4 S-phrases

S25 Avoid contact with eyes.

S28b After contact with skin, wash immediately with plenty of water.

15.1.5 Special regulations on certain preparations

ADDITIONAL LABELLING OF RETAIL PACKAGES: Keep out of the reach of children.

16. OTHER INFORMATION

16.1 List of relevant R phrases

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R36 Irritating to eyes.

R22 Harmful if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R36/38 Irritating to eyes and skin.

R65 Harmful: may cause lung damage if swallowed.

16.3 Recommended restrictions

For use in industrial installations only.

16.4 Further information

Neste Markkinointi Oy/Lubrication, product information, tel. +358 (0)10 45 85410, e-mail: lubetec@nesteoil.com

16.5 Literary reference

Regulations, databases, literature, own researches.