

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 VOLTERA SUMMER

1.1.2 Product code

764600,

1.2 Use of the substance/preparation

1.2.1 Expressed in writing

Car chemical. Windscreen cleaner.

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: The product is not classified as dangerous.

HEALTH HAZARD: The product is not classified as dangerous.

ENVIRONMENTAL HAZARD: The product is not classified as dangerous.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Hazardous components

3.1.1

CAS number

141-43-5

112-34-5

3.1.2

Chemical name of the substance

2-Amino ethanol

2-(2-Butoxy ethoxy)ethanol

3.1.3

Concentration

1 %

< 2 %

3.1.4

Warning symbol, R phrases and other information

Xn; R20/21/22;C; R34

Xi; R36

4. FIRST AID MEASURES

4.1 Additional advice

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4.2 Inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products. 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

Rinse immediately with plenty of water for at least 15 minutes. If eye irritation persists, consult a specialist.

4.5 Ingestion

Do NOT induce vomiting. If product is swallowed, give water to drink and consult a physician.

5. FIRE-FIGHTING MEASURES

Not combustible.

5.1 Suitable extinguishing media

alcohol-resistant foam, carbon dioxide (CO₂), dry chemical.

5.4 Special protection 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

Try to restrict the release and prevent spread of the product into the environment. Collect liquid before it spreads into drains, the ground and waters.

6.3 Clean-up methods

Small amounts can be collected using absorbent material. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

7.1 Handling

Provide sufficient ventilation when handling the product.

7.2 Storage

Keep in a well-ventilated place. Keep tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

8.1.1 Threshold limits

2-Amino ethanol	1 ppm (8 h)	3 ppm (15 min)
	2.5 mg/m ³ (8 h)	7.6 mg/m ³ (15 min)
	iho, HTP2007/FIN	
2-(2-Butoxy ethoxy)ethanol	10 ppm (8 h)	68 mg/m ³ (8 h)
	iho, HTP 2007/FIN	

8.1.2 Other information on limit values

The occupational exposure monitoring method: NIOSH Method 2007/3509
SFS-EN 689, SFS-3861.

8.2 Exposure controls

8.2.1 Occupational exposure controls

Provide efficient ventilation when handling the product. Avoid inhalation of vapour and contact with skin. Wear protective equipment when needed.

8.2.1.1 Respiratory protection

Usually not needed. When needed: Respirator (organic vapour filter, type A2).

8.2.1.2 Hand protection

Protective gloves (e.g. of nitrile rubber). penetration time >480 min (ASTM F739). 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)

Liquid, blue colour. A mild characteristic odour.

9.2 Important health, safety and environmental information

9.2.1	pH	-
9.2.2	Boiling point/range	Approx. 100°C
9.2.3	Flash point	> 90 °C
9.2.5	Explosive properties	
9.2.5.1	Lower explosive limit	-
9.2.5.2	Upper explosive limit	-
9.2.7	Vapour pressure	-
9.2.8	Relative density	Approx. 1,0
9.2.9	Solubility	
9.2.9.1	Water solubility	completely miscible
9.2.9.2	Fat solubility (solvent /oil to be specified)	-

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid

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10.2 Materials to avoid

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11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

CAS 141-43-5: Harmful; LD50/oral/rat = 1515 mg/kg. LD50/skin/rabbit = 1025 mg/kg.

11.2 Irritation and corrosion

No skin irritation.

11.3 Sensitisation

Non-sensitizing.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

12.1.1 Aquatic toxicity

Very low toxicity

CAS 112--34-5: (LC50/96h/ *Lepomis macrochirus* = 1300 mg/l). LC50/48h/ Gold fish = 1800 - 2304 mg/l, EC50/24 h / *Daphnia* = 3200 mg/l. ICLo / 8 h / algae = 1000 mg/l, (*Scenedesmus quadric*).

CAS 141-43-5: LC50/96h/*Carassius auratus* = 170 mg/l, APHA 1971

EC20/0.5h/activated sludge > 1000 mg/l, DIN/EN/ISO 8192-OECD 209-88/302/EEC

EC50/17h/*Pseudomonas putida* = 110 mg/l, DIN 38412 part 8.

12.2 Mobility

Water soluble.

12.3 Persistence and degradability

12.3.1 Biodegradation

According to the results of tests of biodegradability this product is considered as being readily biodegradable.

CAS 112-34-5: Biological degradation > 90 % (OECD 302B).

CAS 141-43-5: Biological degradation = 90 - 100 % 28 d. (OECD 301 F, ISO 9408; 92/69/KTY, C.4-D).

12.4 Bioaccumulative potential

Not accumulative.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

14.1 UN-No

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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

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15.1.5 Special regulations on certain preparations

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

16. OTHER INFORMATION

16.1 List of relevant R phrases

R20/21/22

Harmful by inhalation, in contact with skin and if swallowed.

R34

Causes burns.

R36

Irritating to eyes.

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