

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

1.1 Identification of the substance or preparation

1.1.1 Product name
NEXBASE® 2002

1.1.2 Product code
823400, (ID 12741)
Registration number 01-2119493069-28-0001: Dec-1-ene, dimers, hydrogenated

1.2 Use of the substance/preparation

1.2.1 Expressed in writing
synthetic baseoil

1.3 Company/undertaking identification

1.3.1 Supplier
Neste Oil N.V.

1.3.2 Contact information

P.O.Box	Industrieweg 154
Postcode and post office	B-3583 Beringen, BELGIUM
Telephone	+32 11 459 511
Telefax	+32 11 459 512
Business ID	BE451.251.225
Email	pao@nesteoil.com

1.4 Emergency telephone

1.4.1 Telephone number, name and address
Antigifcentrum - Centre Antipoison, tel. +32 70 245 245 , Rue Bruynstraat, B-1120 Brussel, Belgium
+358-9-471 977, +358-9-4711, Poison Information Centre/HUS
P.O.B 340 (Haartmaninkatu 4) 00029 HUS (Helsinki, Finland)

2. HAZARDS IDENTIFICATION



CLP-regulation:
May be fatal if swallowed and enters airways. (Asp. Tox. 1, H304)
Harmful if inhaled. (Acute Tox. 4, H332)

Substance/preparation directive (DSD-DPD):
Harmful by inhalation. (Xn, R20)
Harmful: may cause lung damage if swallowed. (Xn, R65)

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
68649-11-6, 500-228-5 (CAS/EC)	1-decene, dimer, hydrogenated	100 %	CLP: Asp. Tox. 1, H304; Acute Tox. 4, H332 DSD-DPD: Xn; R20, R65

3.1.7 Other information

synthetic baseoil
No-Longer Polymer / EC No.: 500-228-5
Registration number, See chapter 1.1.2

4. FIRST AID MEASURES

4.1 Additional advice

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4.2 Inhalation

Harmful if inhaled. 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

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. If eye irritation persists, consult a specialist.

4.5 Ingestion

Do NOT induce vomiting. Rinse mouth. Consult a physician (risk of aspiration into the lungs especially if nausea or irritation occurs).

4.6 Information to doctor or other trained persons giving first aid

Aspiration into the lungs can cause fatal chemical pneumonitis.

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

Water spray

5.4 Special protection equipment for firefighters

Self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

Take measures to prevent the build up of electrostatic charge.

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 Clean-up methods

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Product waste should be disposed in accordance with item 13.

6.4 Further information

In case of spill, immediately contact local authorities. Risk of soil and ground water contamination.

7. HANDLING AND STORAGE

7.1 Handling

Keep away from open flames, hot surfaces and sources of ignition. Wear safety shoes while handling containers.

Take measures to prevent the build up of electrostatic charge.

7.2 Storage

Keep tightly closed in a dry and cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

8.1.1 Threshold limits

Oil mist 5 mg/m³ (8 h)
HTP 2009 /FIN

8.1.2 Other information on limit values

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

8.1.3 Limit values in other countries

Oil mist: 5 mg/m³ (TWA / ACGIH)

8.2 Exposure controls

8.2.1 Occupational exposure controls

Provide efficient ventilation. Wear protective equipment when needed.

8.2.1.1 Respiratory protection

Aerosol / Oil mist: Half mask with a particle filter P2 (EN 143).

8.2.1.2 Hand protection

Protective gloves (e.g. of nitrile, neoprene, PVC). Protective index: 4 (> 120 min, EN 374). Change protective gloves regularly.

8.2.1.3 Eye protection

Safety goggles.

8.2.1.4 Skin protection

Protective clothing when needed.

8.2.2 Environmental exposure controls

Take precautionary measures to prevent product spills into drains, the ground or waters.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information (appearance, odour)

liquid, colourless, clear, odourless

9.2 Important health, safety and environmental information

9.2.1 pH

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9.2.2 Boiling point/range

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9.2.3 Flash point

> 150 °C (ASTM D-92).

9.2.5 Explosive properties

9.2.5.1 Lower explosive limit

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9.2.5.2 Upper explosive limit

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9.2.7 Vapour pressure

< 1 Pa (100°C)

9.2.8 Relative density

0,8 (15 °C) , (ASTM D-4052).

9.2.9 Solubility

9.2.9.1 Water solubility

practically insoluble ; < 0,1 mg/l (20 °C) (Method A6 Dir 92/69/EEC)

9.2.9.2 Fat solubility (solvent /oil to be specified)

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9.2.10 Partition coefficient (n-octanol/water)

logPow > 6.5 (Method A8 Dir 92/69/EEC)

9.2.11 Viscosity

Viscosity, kinematic 5 mm²/s (40°C) , (ASTM D-445).
Viscosity, dynamic approx. 7 mPa.s (20 °C).

9.3 Other information

Melting point / Pour point ≤ -66 °C, (ASTM D-97).

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid

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10.2 Materials to avoid

Strong oxidizing agents

10.3 Hazardous decomposition products

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11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

Harmful if inhaled (LC50 < 5.0 mg/L). Very low toxicity when swallowed (LD50>2000 mg/kg) and in contact with skin (LD50>2000 mg/kg). Toxicological data are based on tests with corresponding products or components

11.2 Irritation and corrosion

No skin irritation

11.3 Sensitisation

Non-sensitizing

11.4 Subacute, subchronic and prolonged toxicity

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11.5 Human experience

Oil mist irritates the eyes and the respiratory tract. Aspiration of product into the lungs can cause fatal chemical pneumonitis.

11.6 Further information

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:

LL50/96h/rainbow trout > 1000 mg/l

EC50/72h/algae > 1000 mg/l

12.2 Mobility

Product does not evaporate from surface soil or water. It is insoluble in water.

12.3 Persistence and degradability

12.3.1 Biodegradation

Not readily degradable.

12.4 Bioaccumulative potential

No data.

12.6 Other adverse effects

Water Hazard Class WGK=1 (Germany)

13. DISPOSAL CONSIDERATIONS

Dispose of as special waste in compliance with local and national regulations. When handling the waste note the hazards and take care of necessary safety measures, labelling and information.

14. TRANSPORT INFORMATION

14.1	UN-No	-
14.3	Land transport	
14.3.1	ADR/RID	-
14.3.4	Further information	Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR
14.4	Sea transport	
14.4.1	IMDG	-
14.4.3	Further information	Bulk : (MARPOL 73/78, Annex II): Noxious liquid, NF (5) n.o.s. (NEXBASE 2002, contains Polyolefin (mw +300)). ST 2, Cat. Y. According to MARPOL: "Non-solidifying substance".
14.5	Air transport	
14.5.1	ICAO/IATA	-

15. REGULATORY INFORMATION

15.1	Information on the warning label	
	Signal word	Danger
	GHS07 - GHS08	
	Hazard Statements	
	H304	May be fatal if swallowed and enters airways.
	H332	Harmful if inhaled.
	Precautionary Statements	
	P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
	P271	Use only outdoors or in a well-ventilated area.
	P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P312	Call a POISON CENTER or doctor/physician if you feel unwell.
	P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
	P331	Do NOT induce vomiting.
15.1.2	Names of the ingredients given on the warning label	
	1-decene, dimer, hydrogenated	

16. OTHER INFORMATION

16.4	Further information
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Classification of the substance, DSD-DPD:

Xn - Harmful

R-phrase(s):

R20 Harmful by inhalation.

R65 Harmful: may cause lung damage if swallowed.

S-phrase(s):

S23 Do not breathe gas/fumes/vapour/spray.

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

S63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Additional information available from:

Neste Oil Corporation, Base Oils, Finland, tel. +358 10 45811, fax +358 10 45 85244 , e-mail:

nexbase@nesteoil.com

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16.5 Literary reference

Regulations, databases, literature, own researches.

16.6 Additions, deletions, revisions

Report version 2/10 (2.12.2010): 2, 3, 6, 15; Hazards identification

Report version 1/10 (16.11.2010): 1, 2, 3, 4, 11, 15, 16; Registration number, Classification of the substance