

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,

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

2. HAZARDS IDENTIFICATION

FIRE AND EXPLOSION HAZARD: The product is not classified as dangerous.

HEALTH HAZARD: Harmful: may cause lung damage if swallowed. Oil mist may irritate the eyes and the respiratory tract.

ENVIRONMENTAL HAZARD: The product is not classified as dangerous. 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
68649-11-6	1-decene, dimer, hydrogenated	100 %	Xn; R65

3.1.7 Other information

synthetic baseoil
No-Longer Polymer No.: 500-228-5

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

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.

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).

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid

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10.2 Materials to avoid

Strong oxidising agents.

10.3 Hazardous decomposition products

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11. TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

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

11.2 Irritation and corrosion

No eye irritation. 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

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14.3 Land transport

14.3.1 ADR/RID

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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

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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

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**

Xn Harmful

15.1.2 Names of the ingredients given on the warning label

1-decene, dimer, hydrogenated

15.1.3 R-phrase(s)

R65 Harmful: may cause lung damage if swallowed.

15.1.4 S-phrase(s)

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

16. OTHER INFORMATION**16.1 List of relevant R phrases**

R65 Harmful: may cause lung damage if swallowed.

16.4 Further information

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16.5 Literary reference

Regulations, databases, literature, own researches.

16.6 Additions, deletions, revisions

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