

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® 200X (X= 6, 8)

1.1.2 Product code

825900, 826900, (ID 10697)

Registration number 01-2119486452-34-0003: 1-decene, homopolymer, hydrogenated

1.2 Use of the substance/preparation

1.2.1 Expressed in writing

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: Product is not classified hazardous.

Substance/preparation directive (DSD-DPD): Product is not classified hazardous.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Hazardous components

3.1.1

CAS number

68037-01-4/500-183-1
 (CAS/EC)

3.1.2

Chemical name of the substance

1-decene, homopolymer, hydrogenated
 (Hydrogenated polydecene)

3.1.3

Concentration

100 %

3.1.4

Warning symbol, R phrases and other information

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3.1.7 Other information

synthetic baseoil, No-Longer Polymer No.: 500-183-1
 Registration number, See chapter 1.1.2.

4. FIRST AID MEASURES

4.1 Additional advice

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4.2 Inhalation

- 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** -
- 9.2.2 Boiling point/range** -
- 9.2.3 Flash point** > 230 °C , (ASTM D-92).
- 9.2.5 Explosive properties**
- 9.2.5.1 Lower explosive limit** -
- 9.2.5.2 Upper explosive limit** -
- 9.2.7 Vapour pressure** < 1 Pa (100°C)
- 9.2.8 Relative density** 0,82-0,84 (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)** -
- 9.2.10 Partition coefficient (n-octanol/water)** logP_{OW} > 6.5 (Method A8 Dir 92/69/EEC)
- 9.2.11 Viscosity** Viscosity, kinematic 29-51 mm²/s (40°C) , varies according to the grade (ASTM D-445)
- 9.3 Other information**
 Melting point / Pour point ≤ -60 °C, ≤ -54 °C, varies according to the grade, (ASTM D-97).

10. STABILITY AND REACTIVITY

- 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) 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.

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 (NEXBASE 2002 & NEXBASE 2006FG)

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.

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 2004/ NEXBASE 2006/ NEXBASE 2008, 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****16. OTHER INFORMATION****16.4 Further information**

Additional information available from:

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nexbase@nesteoil.com

Neste Oil N.V., Beringen, Belgium tel. +32 11 459 511, fax. +32 11 459 512, e-mail: nexbase@nesteoil.com

16.5 Literary reference

Regulations, databases, literature, own researches.

16.6 Additions, deletions, revisions

1, 2, 3, 6, 9, 14, 16

Registration number, Physical and chemical properties