SAFETY DATA SHEET
NEXBASE™ 3080

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name
NEXBASE™ 3080

Chemical name
Lubricating oils (petroleum), C20-C50, hydrotreated neutral oil-based

Product number
ID 13447

Internal identification
192509, 823800

REACH registration number
01-2119474889-13-XXXX

REACH registration notes
01-2119474889-13-0000 / -0003

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses
Manufacture of substance, Distribution of substance, Formulation & (re)packaging of substances and mixtures, Use in coatings Use in cleaning agents Use in oil and gas field drilling and production operations Metal working fluids/rolling oils Use as binders and release agents Use in agrochemicals Road and construction applications Rubber production and processing Polymer processing Lubricants Laboratory chemical Mining chemicals Water treatment chemicals Explosives manufacture & use Functional fluids

1.3. Details of the supplier of the safety data sheet

Supplier
Neste (Suisse) S.A.
16 Chemin des Coquelicots, 1214 Vernier, SWITZERLAND
Tel. +41 22 561 8000
SDS@neste.com (chemical safety)

EU Only Representative
Neste Oyj, Keilaranta 21, Espoo, P.O.B. 95, FIN-00095 NESTE, FINLAND.

1.4. Emergency telephone number

National emergency telephone number
+358-9-471 977, +358-9-4711, Poison Information Centre

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards
Not Classified

Health hazards
Not Classified

Environmental hazards
Not Classified

2.2. Label elements

Hazard statements
NC Not Classified

Supplemental label information
EUH210 Safety data sheet available on request.
2.3. Other hazards

Other hazards

Oil mist: May cause eye and respiratory system irritation. Repeated exposure may cause skin dryness or cracking. Risk of soil and ground water contamination.

SECTION 3: Composition/Information on ingredients

3.2. Mixtures

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

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<th>EC number</th>
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Classification

Not Classified

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Other information

A petroleum product, DMSO < 3% (IP 346).

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature. If spray/mist has been inhaled, proceed as follows. Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.

Ingestion

Do not induce vomiting. Get medical attention.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing. Contact with hot product can cause serious thermal burns.

Eye contact

Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.

4.2. Most important symptoms and effects, both acute and delayed

General information

Oil mist: May cause eye and respiratory system irritation. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Not known.

Hazardous combustion products

Carbon dioxide (CO2). Carbon monoxide (CO).

5.3. Advice for firefighters
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Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Avoid breathing mist. Wear adequate protective equipment at all operations.

For emergency responders
Prevent unauthorized access. Eliminate all ignition sources if safe to do so. Take precautionary measures against static discharge.

6.2. Environmental precautions

Environmental precautions
Avoid release to the environment. Stop leak if safe to do so. Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air). Risk of soil and ground water contamination.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Immediately start clean-up of the liquid and contaminated soil. Large spills should be collected mechanically (remove by pumping) for disposal. Small Spillages: Absorb spillage with sand or other inert absorbent.

6.4. Reference to other sections
Reference to other sections
For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Avoid heat, flames and other sources of ignition. Take precautionary measures against static discharges. Use only in well-ventilated areas. Avoid inhalation of vapours and contact with skin and eyes. Use personal protective equipment and/or local ventilation when needed. Do not eat, drink or smoke when using this product. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Store in accordance with local regulations. Store in a demarcated bunded area to prevent release to drains and/or watercourses. Take precautions against leakage by constructing collecting pools and sewerage systems as well as by surfacing the loading and unloading stations. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Protect from light. Suitable container materials: Stainless steel.

7.3. Specific end use(s)

Specific end use(s)
Not known.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Oil mist: 5 mg/m³ (8h) HTP 2016/FIN. 5 mg/m³, TWA PEL (OSHA). 5 mg/m³, TLV-TWA (ACGIH). 10 mg/m³, TLV-STEL (ACGIH).

DNEL
DNEL derivation is not justified.

PNEC
Not available.

8.2. Exposure controls
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Appropriate engineering controls

Use only in well-ventilated areas. Use personal protective equipment and/or local ventilation when needed.

Eye/face protection

Tight-fitting safety glasses.

Hand protection

Wear protective gloves. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Nitrile rubber. Change protective gloves regularly. Protective gloves according to standards EN 420 and EN 374.

Other skin and body protection

Protective clothing when needed. Wear anti-static protective clothing if there is a risk of ignition from static electricity.

Respiratory protection

Oil mist: Combination filter, type A2/P2. 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 (< 19 vol.-%). At high concentrations a breathing apparatus must be used (self-contained or fresh air hose breathing apparatus). Filter must be changed often enough. Respirators according to standards EN 140 and EN 141.

Environmental exposure controls

Take precautions against leakage by constructing collecting pools and sewerage systems as well as by surfacing the loading and unloading stations.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid.

Colour

Colourless. Clear.

Odour

Almost odourless.

Odour threshold

-

pH

-

Melting point

(Melting/pour point) ≤ -12°C (ASTM D-97)

Initial boiling point and range

430...620°C

Flash point

> 220°C (ASTM D-92).

Upper/lower flammability or explosive limits

-

Vapour pressure

< 0,1 hPa @ 20°C

Vapour density

-

Relative density

0,84 @ 15°C (ASTM D-4052)

Solubility(ies)

Insoluble in water.

Partition coefficient

log Kow: > 6

Auto-ignition temperature

-

Decomposition Temperature

-

Viscosity

Kinematic viscosity 48 mm2/s @ 40°C typical value (ASTM D-445).

Explosive properties

Not considered to be explosive.

Oxidising properties

Does not meet the criteria for classification as oxidising.

9.2. Other information
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Other information

Melting/pour point: ≤ -12°C Dynamic viscosity 114.1 mPa s @ +20°C Dynamic viscosity ≤ 50 mPa s @ temp. min. +36°C

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions

No potentially hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid

Keep away from heat, sparks and open flame.

10.5. Incompatible materials

Materials to avoid

Strong acids. Oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products

Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects

Based on available data the classification criteria are not met.

Skin corrosion/irritation

Based on available data the classification criteria are not met. (OECD 404), Repeated exposure may cause skin dryness or cracking.

Serious eye damage/irritation

Based on available data the classification criteria are not met. (OECD 405) Oil mist: May cause eye and respiratory system irritation.

Skin sensitisation

Based on available data the classification criteria are not met. (OECD 406)

Germ cell mutagenicity

Based on available data the classification criteria are not met. (OECD 471, 473, 476)

Genotoxicity - in vitro

Based on available data the classification criteria are not met. (OECD 474)

Carcinogenicity

Based on available data the classification criteria are not met. (OECD 451, 453)

IARC carcinogenicity

Not listed.

NTP carcinogenicity

Not listed.

Reproductive toxicity

Reproductive toxicity - fertility

Based on available data the classification criteria are not met. (OECD 421)

Reproductive toxicity - development

Based on available data the classification criteria are not met. (OECD 414)
**NEXBASE™ 3080**

**Specific target organ toxicity - single exposure**

STOT - single exposure  
Not classified as a specific target organ toxicant after a single exposure.

**Specific target organ toxicity - repeated exposure**

STOT - repeated exposure  
Based on available data the classification criteria are not met. (OECD 408, 410, 411, 412, 453)

**Aspiration hazard**

Aspiration hazard  
Based on available data the classification criteria are not met. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

**Acute toxicity - oral**

Notes (oral LD₅₀)  
LD₅₀ > 5000 mg/kg, Oral, Rat (OECD 401)

**Acute toxicity - dermal**

Notes (dermal LD₅₀)  
LD₅₀ > 2000 mg/kg, Dermal, Rabbit (OECD 402)

**Acute toxicity - inhalation**

Notes (inhalation LC₅₀)  
LC₅₀ > 5,53 mg/l, (4h), Inhalation, Rat (OECD 403)

### SECTION 12: Ecological Information

#### 12.1. Toxicity

Toxicity  
Based on available data the classification criteria are not met.

**Acute toxicity - fish**  
LL₅₀, 96 hours: > 100 mg/l, Algae  
NOEL, 96 hours: >= 100 mg/l, Algae  
(OECD 203)

**Acute toxicity - aquatic invertebrates**  
EL50, 24-48 hours: > 10000 mg/l,  
NOEL, 48-96 hours: > 10000 mg/l,  
LL₅₀, 24-96 hours: > 10000 mg/l,  
(OECD 202)

**Acute toxicity - aquatic plants**  
NOEL, 72 hours: >= 100 mg/l, Fish  
(OECD 201)

**Acute toxicity - microorganisms**  
NOEL, 10 minutes: > 1,93 mg/l,  
(DIN 38412, DIN38409)

**Chronic toxicity - aquatic invertebrates**  
NOEL, 21 days: 10 mg/l,  
(OECD 211)

#### 12.2. Persistence and degradability

Persistence and degradability  
The product is slowly degradable.

Stability (hydrolysis)  
No significant reaction in water.

Biodegradation  
Non-rapidly degradable  
(OECD 301B)

#### 12.3. Bioaccumulative potential

Bioaccumulative potential  
Possibly bioaccumulative.
**NEXBASE™ 3080**

**Partition coefficient**

log Kow: > 6

**12.4. Mobility in soil**

**Mobility**

The product is insoluble in water. Mainly non-volatile. Product can penetrate soil until reaching the surface of ground water. The product contains substances which are bound to particulate matter and are retained in soil.

**12.5. Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment**

This product does not contain any substances classified as PBT or vPvB. (Anthracene < 0.1%)

**12.6. Other adverse effects**

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Dispose of this material and its container to hazardous or special waste collection point. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Waste packaging should be collected for reuse or recycling.

**SECTION 14: Transport information**

**General**

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID). No DOT label requirement noted

**14.1. UN number**

UN No. (ADR/RID) -

**14.2. UN proper shipping name**

Proper shipping name (ADR/RID) -

**14.3. Transport hazard class(es)**

ADR/RID class -

**14.4. Packing group**

ADR/RID packing group -

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant No.

**14.6. Special precautions for user**

Not applicable.

**14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Noxious liquid, NF (5) n.o.s. (NEXBASE 3080, contains Iso- and cyclo-alkanes C12+) Ship type: 2 Cat Y According to MARPOL: "Non-solidifying substance"

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**
NEXBASE™ 3080

National regulations
US Federal: Not listed under CERCLA or Section 302 or Section 313 of EPCRA.

EU legislation

15.2. Chemical safety assessment
A chemical safety assessment has been carried out. Based on available data the classification criteria are not met. Exposure scenarios are not required.

Inventories
EU - EINECS/ELINCS
Yes
Canada - DSL/NDSL
Yes
US - TSCA
Yes
To the best of our knowledge, the product components are not listed on any US national/regional regulatory lists except the TSCA inventory.

Australia - AICS
Yes

Japan - MITI
Yes

Korea - KECI
Yes

China - IECSC
Yes

Philippines – PICCS
Yes

New Zealand - NZIOC
Yes

Other
Inventories of Taiwan and Switzerland.

SECTION 16: Other information
### Abbreviations and acronyms used in the safety data sheet

- **DNEL** = Derived No-Effect Level
- **PNEC** = Predicted No-Effect Concentration
- **PEL** = Permissible Exposure Limit
- **STEL** = Short-Term Exposure Limit
- **TLV** = Threshold Limit Value
- **TWA** = Time-Weighted Average
- **OSHA** = Occupational Safety and Health Administration
- **ACGIH** = American Conference of Governmental Industrial Hygienists
- **IARC** = International Agency for Research on Cancer
- **NTP** = National Toxicology Program
- **WAF** = Water Accommodated Fraction
- **SU** = Sector of Use
- **PROC** = Process Category
- **ERC** = Environmental Release Category

### Key literature references and sources for data


### Revision comments

Updated, sections: 1. Supplier's information.

### SDN number

5664