

# Safety Data Sheet

## OXOOIL 9 N

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(30035083/SDS\_GEN\_US/EN)

### 1. Identification

#### Product identifier used on the label

**OXOOIL 9 N**

#### Recommended use of the chemical and restriction on use

Recommended use\*: solvent(s)

Recommended use\*: solvent(s)

Unsuitable for use: Not intended for sale to or use by the general public.

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

#### Details of the supplier of the safety data sheet

##### Company:

BASF CORPORATION  
100 Park Avenue  
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

#### Emergency telephone number

##### 24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

#### Other means of identification

Chemical family: high-boiling components

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### 2. Hazards Identification

According to Regulation 2024 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

#### Classification of the product

Skin Sens.

1B

Skin sensitization

#### Label elements

Pictogram:

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Signal Word:  
Warning

Hazard Statement:  
H317 May cause an allergic skin reaction.

Precautionary Statements (Prevention):  
P280 Wear protective gloves.  
P261 Avoid breathing mist or vapour or spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 If skin irritation or rash occurs: Get medical attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Disposal):  
P501 Dispose of contents/container in accordance with local regulations.

### Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.  
See section 12 - Results of PBT and vPvB assessment.

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## 3. Composition / Information on Ingredients

### According to Regulation 2024 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

hydroformylation products of C8-alkenes, high-boiling  
CAS Number: 68526-89-6  
Content (W/W): >= 100.0 - <= 100.0%  
Synonym: No data available.

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## 4. First-Aid Measures

### Description of first aid measures

**General advice:**  
Remove contaminated clothing.

**If inhaled:**  
If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention.

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**If on skin:**

Wash thoroughly with soap and water

**If in eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

**If swallowed:**

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

**Most important symptoms and effects, both acute and delayed**

*Information on: hydroformylation products of C8-alkenes, high-boiling*

*Symptoms: Overexposure may cause: allergic contact dermatitis, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps*

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Hazards: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11. (Further) symptoms and / or effects are not known so far

**Indication of any immediate medical attention and special treatment needed**Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## 5. Fire-Fighting Measures

**Extinguishing media**

Suitable extinguishing media:

dry powder, water spray, carbon dioxide, foam

Unsuitable extinguishing media for safety reasons:  
water jet

Additional information:

Use extinguishing measures to suit surroundings.

**Special hazards arising from the substance or mixture**

Hazards during fire-fighting:

The product is combustible. Cool endangered containers with water-spray. See SDS section 7 - Handling and storage.

**Advice for fire-fighters**

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Special protective equipment for firefighters

**Further information:**

Evacuate area of all unnecessary personnel. Fight fire from maximum distance.

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Extend fire extinguishing measures to the surroundings. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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### 6. Accidental release measures

#### Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

Shut off or stop source of leak. Shut off or stop released substance/product under safe conditions.

Pack in tightly closed containers for disposal.

#### **Personal precautions, protective equipment and emergency procedures**

Handle in accordance with good industrial hygiene and safety practice.

Avoid contact with the skin, eyes and clothing.

Take off immediately all contaminated clothing.

#### **Environmental precautions**

Due to the pH-value of the product, neutralization is generally required before discharging sewage into treatment plants.

Discharge into the environment must be avoided.

#### **Methods and material for containment and cleaning up**

Pick up with suitable appliance and dispose of. Spills should be contained, solidified, and placed in suitable containers for disposal. Dispose of absorbed material in accordance with regulations.

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### 7. Handling and Storage

#### **Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid all direct contact with the substance/product. Ensure thorough ventilation of stores and work areas. Change clothes immediately after contamination.

Protection against fire and explosion:

No special precautions necessary. Substance/product is non-flammable.

#### **Conditions for safe storage, including any incompatibilities**

No applicable information available.

Further information on storage conditions: Containers should be stored tightly sealed in a dry place.

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### 8. Exposure Controls/Personal Protection

No substance specific occupational exposure limits known.

#### **Advice on system design:**

Ensure adequate ventilation.

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### Personal protective equipment

#### **Respiratory protection:**

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Observe OSHA regulations for respirator use (29 CFR 1910.134).

#### **Hand protection:**

Wear chemical resistant protective gloves.

#### **Eye protection:**

Tightly fitting safety goggles (chemical goggles).

#### **Body protection:**

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

#### **General safety and hygiene measures:**

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is required additionally to the stated personal protection equipment.

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## 9. Physical and Chemical Properties

Physical state:	liquid	
Form:	liquid	
Odour:	almost odourless	
Odour threshold:	not determined	
Colour:	yellowish clear to cloudy	
pH value:	4.5 ( 258 mg/l, 20 °C)	(OECD Guideline 105)
pour point:	< -50 °C	(measured)
Melting point:	No data available.	
Freezing point:	No data available.	
Boiling point:	294 °C ( 1,013 hPa)	(measured)
Sublimation point:	No applicable information available.	
Flash point:	131 °C	(ISO 2719, closed cup)
Flammability:	hardly combustible	(derived from flash point)
Lower explosion limit:	For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	240 °C	(DIN 51794)
Vapour pressure:	4.1 hPa ( 20 °C) static	(OECD Guideline 104)

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Density:	0.8611 g/cm <sup>3</sup> ( 20 °C) liquid	(DIN 53217)
Relative density:	0.8611 ( 20 °C)	
Relative vapour density:	No data available.	
Partitioning coefficient n-octanol/water (log Pow):	6.1 - 11.2 ( 23 °C)	(OECD Guideline 117)
Self-ignition temperature:	Based on its structural properties the product is not classified as self-igniting.	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	22 mPa.s ( 20 °C)	(calculated (from kinematic viscosity))
Viscosity, kinematic:	25.55 mm <sup>2</sup> /s ( 20 °C)	(DIN 51562)
Solubility in water:	8 - 258 mg/l ( 20 °C)	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	soluble solvent(s): organic solvents,	
Molecular weight:	not applicable	
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	

### Particle characteristics

Particle size distribution: The substance / product is marketed or used in a non solid or granular form.

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## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:

Corrosive effects to metal are not anticipated.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

Formation of flammable gases:	Remarks:	Forms no flammable gases in the presence of water.
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### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

Reacts with strong oxidizing agents.

### Conditions to avoid

No special precautions other than good housekeeping of chemicals.

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### Incompatible materials

strong oxidizing agents

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

#### Oral

Type of value: LD50

Species: rat (female)

Value: > 2,000 mg/kg (OECD Guideline 420)

#### Inhalation

Study scientifically not justified.

#### Dermal

Type of value: LD50

Species: rat (male/female)

Value: > 2,000 mg/kg (OECD Guideline 402)

#### Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

#### Irritation / corrosion

Assessment of irritating effects: Not irritating to the skin. Not irritating to the eyes.

#### Skin

Species: rabbit

Result: non-irritant

Method: OECD Guideline 404

#### Eye

Species: rabbit

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Result: non-irritant  
Method: OECD Guideline 405

### Sensitization

Assessment of sensitization: Sensitization after skin contact possible.

### In-vitro test

Species: In vitro assay  
Result: skin sensitizing  
Method: In vitro skin sensitization test battery

### Aspiration Hazard

No aspiration hazard expected.

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: No substance-specific organotoxicity was observed after repeated administration to animals.

### Genetic toxicity

Assessment of mutagenicity: The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture.

### Carcinogenicity

Assessment of carcinogenicity: Based on available data, the classification criteria are not met.

### Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect.

### Teratogenicity

Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies.

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## **12. Ecological Information**

### **Toxicity**

#### Aquatic toxicity

Assessment of aquatic toxicity:

No toxic effects occur within the range of solubility. There is a high probability that the product is not acutely harmful to aquatic organisms. Based on long-term (chronic) toxicity study data, the product is very likely not harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

#### Toxicity to fish

LL50 (96 h) > 100 mg/l, Oncorhynchus mykiss (OECD 203; ISO 7346; 84/449/EWG, C.1, semistatic)  
The product has low solubility in the test medium. An eluate has been tested. The details of the toxic effect relate to the nominal concentration.

#### Aquatic invertebrates

EL50 (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)



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The product has low solubility in the test medium. An eluate has been tested. The details of the toxic effect relate to the nominal concentration.

### Aquatic plants

EL50 (72 h) > 100 mg/l (growth rate), *Desmodemus subspicatus* (OECD Guideline 201)

The product has low solubility in the test medium. An eluate has been tested. Limit concentration test only (LIMIT test). Nominal concentration.

EL10 (72 h) > 100 mg/l (growth rate), *Desmodemus subspicatus* (OECD Guideline 201)

The product has low solubility in the test medium. An eluate has been tested. Limit concentration test only (LIMIT test). Nominal concentration.

EC50 (7 d) > 100 mg/l (growth rate), *Lemna gibba* (OECD Guideline 221, semistatic)

The product has low solubility in the test medium. A saturated solution has been tested. Limit concentration test only (LIMIT test). No effects at the highest test concentration.

EC10 (7 d) > 100 mg/l (growth rate), *Lemna gibba* (OECD Guideline 221, semistatic)

The product has low solubility in the test medium. A saturated solution has been tested. Limit concentration test only (LIMIT test). No effects at the highest test concentration.

### Chronic toxicity to fish

EC10 (36 d) > 10 mg/l, *Brachydanio rerio* (OECD Guideline 210, Flow through.)

The product has low solubility in the test medium. A saturated solution has been tested. Limit concentration test only (LIMIT test). No effects at the highest test concentration.

### Chronic toxicity to aquatic invertebrates

EC10 (21 d) > 10 mg/l, *Daphnia magna* (OECD Guideline 211, semistatic)

The product has low solubility in the test medium. A saturated solution has been tested. Limit concentration test only (LIMIT test). No effects at the highest test concentration.

### Assessment of terrestrial toxicity

Toxic effects have been observed in studies with terrestrial plants.

### Soil living organisms

Toxicity to soil dwelling organisms:

LC50 (14 d) > 1,000 mg/kg, *Eisenia foetida* (OECD Guideline 207, artificial soil)

### Toxicity to terrestrial plants

No observed effect concentration (21 d) 125 mg/l 125 mg/kg, *Brassica napus* (OECD Guideline 208)

### Other terrestrial non-mammals

No data available.

## **Microorganisms/Effect on activated sludge**

### Toxicity to microorganisms

OECD Guideline 209 static

activated sludge of a predominantly domestic sewage/EC50 (180 min): > 1,000 mg/l

## **Persistence and degradability**

### Assessment biodegradation and elimination (H<sub>2</sub>O)

Biodegradable.

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### Elimination information

97 - 100 % CO<sub>2</sub> formation relative to the theoretical value (42 d) (OECD 301B; ISO 9439; 92/69/EWG, C.4-C) (aerobic, activated sludge, domestic, non-adapted)

### Assessment of stability in water

According to structural properties, hydrolysis is not expected/probable.

### Information on Stability in Water (Hydrolysis)

The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

## **Bioaccumulative potential**

### Assessment bioaccumulation potential

Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is possible.

### Bioaccumulation potential

Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is possible.

## **Mobility in soil**

### Assessment transport between environmental compartments

No data available.

Adsorption to solid soil phase is expected.

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## **13. Disposal considerations**

### **Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations.

### **Container disposal:**

Uncleaned empties should be disposed of in the same manner as the contents. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

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## **14. Transport Information**

### **Land transport**

USDOT

Not classified as a dangerous good under transport regulations

### **Sea transport**

IMDG

Not classified as a dangerous good under transport regulations

### **Air transport**

IATA/ICAO

Not classified as a dangerous good under transport regulations

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### 15. Regulatory Information

#### Federal Regulations

##### **Registration status:**

Chemical TSCA, US

All substances are TSCA listed and active.

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

##### **NFPA Hazard codes:**

Health: 2 Fire: 1 Reactivity: 0 Special:

#### Assessment of the hazard classes according to UN GHS criteria (most recent version):

Skin Sens.	1B	Skin sensitization
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### 16. Other Information

#### **SDS Prepared by:**

BASF NA Product Regulations  
SDS Prepared on: 2025/09/29

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