

# Safety Data Sheet

## ISOTRIDECANOL N

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Version: 7.0

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(30034826/SDS\_GEN\_US/EN)

### 1. Identification

**Product identifier used on the label**

**ISOTRIDECANOL N**

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

Recommended use\*: process chemical, solvent(s)

Recommended use\*: process chemical; 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**

Molecular formula: C<sub>13</sub>H<sub>27</sub>OH

Chemical family: alcohol

### 2. Hazards Identification

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

**Classification of the product**

Skin Irrit. 2

Aquatic Acute 1

Aquatic Chronic 1

Skin irritation

Hazardous to the aquatic environment - acute

Hazardous to the aquatic environment - chronic

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### Label elements

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H315	Causes skin irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P273	Avoid release to the environment.
P280	Wear protective gloves.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P391	Collect spillage.
P332 + P313	If skin irritation 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.
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### 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**

Tridecanol, branched

CAS Number: 203743-02-6

Content (W/W):  $\geq 99.8$  -  $\leq 100.0\%$

Synonym: No data available.

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## 4. First-Aid Measures

### Description of first aid measures

**General advice:**

Remove contaminated clothing.

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### **If inhaled:**

Keep patient calm, remove to fresh air, seek medical attention.

### **If on skin:**

Wash affected areas with water for at least 15 minutes. Remove contaminated clothing immediately and clean before re-use or dispose it if necessary. If irritation develops, seek medical attention.

Wash thoroughly with soap and water

### **If in eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

### **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**

Symptoms: Overexposure may cause: Eye irritation, skin irritation, erythema, nausea, headache, vomiting, dizziness, diarrhea, abdominal cramps

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

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### Further information:

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

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.

### Environmental precautions

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.

Protection against fire and explosion:

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

### Conditions for safe storage, including any incompatibilities

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:

No applicable information available.

### Personal protective equipment

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Observe OSHA regulations for respirator use (29 CFR 1910.134).

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### Hand protection:

Wear chemical resistant protective gloves., Consult with glove manufacturer for testing data.

### 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. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin and eyes. Remove contaminated clothing.

## 9. Physical and Chemical Properties

Physical state:	liquid	
Form:	slightly viscous, oily	
Odour:	almost odourless	
Odour threshold:	not determined	
Colour:	colourless, clear	
pH value:	not applicable	
Melting point:	-78 °C	(DTA)
Freezing point:	No data available.	
Boiling point:	260.8 °C ( 1,013 hPa)	(other)
Boiling range:	No data available.	
Flash point:	128 °C	(ISO 2719)
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:	230 °C	(DIN 51794)
SADT:	Study scientifically not justified. Not a substance/mixture liable to self-decomposition according to GHS.	
Vapour pressure:	< 0.01 hPa ( 20 °C) 0.022 hPa ( 50 °C)	
Density:	0.8426 g/cm3 ( 20 °C)	(OECD Guideline 109)
Relative density:	0.8426 ( 20 °C)	
Relative vapour density:	6.9 ( 20 °C) Heavier than air.	(calculated)
Partitioning coefficient n-octanol/water (log Pow):	6.1 ( 23 °C)	(OECD Guideline 117)

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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:	34.9 mPa.s ( 20 °C)	(calculated (from kinematic viscosity))
Viscosity, kinematic:	42.9 mm2/s ( 20 °C)	(DIN 51562)
	41.4 mm2/s ( 20 °C)	(OECD Guideline 114)
Solubility in water:	2 mg/l ( 20 °C)	
Solubility (qualitative):	soluble	
	solvent(s): organic solvents,	
Molecular weight:	200.36 g/mol	
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.

## 10. Stability and Reactivity

### Reactivity

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

Corrosion to metals:

No corrosive effect on metal.

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

No hazardous reactions when stored and handled according to instructions.

### Conditions to avoid

No special precautions other than good housekeeping of chemicals.

### Incompatible materials

strong oxidizing agents

### Hazardous decomposition products

Decomposition products:

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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. The inhalation of a highly enriched/saturated vapor-air-mixture represents an unlikely acute hazard.

#### Oral

Type of value: LD50

Species: rat (male/female)

Value: > 2,000 mg/kg (OECD Guideline 423)

#### Inhalation

Type of value: LC0

Species: rat

Value: 0.006 mg/l (IRT)

Exposure time: 8 h

The vapour was tested.

No mortality within the stated exposition time as shown in animal studies.

#### Dermal

Type of value: LD50

Species: rabbit

Value: approx. 6,000 mg/kg (similar to 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: Skin contact causes irritation. Not irritating to the eyes.

#### Skin

Species: rabbit

Result: Irritant.

Method: OECD Guideline 404

#### Eye

Species: rabbit

Result: non-irritant

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Method: OECD Guideline 405

### Sensitization

Assessment of sensitization: Skin sensitizing effects were not observed in animal studies.

Intracutaneous test

Species: guinea pig

Result: Non-sensitizing.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Aspiration Hazard

not applicable

## **Chronic Toxicity/Effects**

### Repeated dose toxicity

Assessment of repeated dose toxicity: The substance may cause damage to the kidney after repeated ingestion of high doses, as shown in animal studies.

### Genetic toxicity

Assessment of mutagenicity: No mutagenic effect was found in various tests with bacteria and mammalian cell culture. The product has not been fully tested. The statements have been derived in parts from products of a similar structure or composition.

### Carcinogenicity

Assessment of carcinogenicity: No data available concerning carcinogenic effects. The whole of the information assessable provides no indication of a carcinogenic effect.

### Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect. The results were determined in a Screening test.

### Teratogenicity

Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies. Mortality observed in rabbits following high oral exposure.

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## **12. Ecological Information**

### **Toxicity**

Aquatic toxicity

Assessment of aquatic toxicity:

Very toxic (acute effect) 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. Very toxic to aquatic organisms based on long-term (chronic) toxicity study data.

### Toxicity to fish

LC50 (96 h) 0.55 mg/l, Brachydanio rerio (OECD Guideline 203, semistatic)

The statement of the toxic effect relates to the analytically determined concentration. The product has low solubility in the test medium. An aqueous solution prepared with solubilizers has been tested.

### Aquatic invertebrates

EC50 (48 h) 0.391 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)



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The statement of the toxic effect relates to the analytically determined concentration. The product has low solubility in the test medium. An eluate has been tested.

### Aquatic plants

EC50 (72 h) 0.297 mg/l (growth rate), *Desmodemus subspicatus* (OECD Guideline 201, static)

The statement of the toxic effect relates to the analytically determined concentration. The product has low solubility in the test medium. An eluate has been tested.

EC10 (72 h) 0.215 mg/l (growth rate), *Desmodemus subspicatus* (OECD Guideline 201, static)

The statement of the toxic effect relates to the analytically determined concentration. The product has low solubility in the test medium. An eluate has been tested.

### Chronic toxicity to fish

No observed effect concentration 0.00523 mg/l, Fish (calculated)

### Chronic toxicity to aquatic invertebrates

No observed effect concentration 0.00793 mg/l, *Daphnia* sp. (calculated)

EC10 (28 d) 495 mg/kg dw, *Chironomus riparius* (OECD Guideline 218, static)

### Assessment of terrestrial toxicity

Toxic effects have been observed in studies with soil living organisms. Toxic effects have been observed in studies with terrestrial plants.

### Soil living organisms

Toxicity to soil dwelling organisms:

EC10 (28 d) 1,000 mg/kg, soil dwelling microorganisms (OECD Guideline 216, natural soil)

LC50 (14 d) 64.5 mg/kg, *Eisenia foetida* (OECD Guideline 207, artificial soil)

### Toxicity to terrestrial plants

No observed effect concentration (22 d) 15.7 mg/kg, *Brassica napus* (OECD Guideline 208)

### Other terrestrial non-mammals

No data available.

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

### Toxicity to microorganisms

DIN EN ISO 8192 aerobic

activated sludge, domestic/EC20 (0.5 h): > 1,000 mg/l

The details of the toxic effect relate to the nominal concentration.

## **Persistence and degradability**

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

Readily biodegradable (according to OECD criteria).

### Elimination information

90 - 100 % BOD of the ThOD (28 d) (OECD Guideline 301 F) (aerobic, activated sludge, domestic, non-adapted)

### Assessment of stability in water

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

### Information on Stability in Water (Hydrolysis)

No data available.

### **Bioaccumulative potential**

#### Assessment bioaccumulation potential

Significant accumulation in organisms is not to be expected.

#### Bioaccumulation potential

Bioconcentration factor: < 285, Fish (calculated)

The product has not been tested. The statement has been derived from the structure of the product.

### **Mobility in soil**

#### Assessment transport between environmental compartments

The substance will slowly evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is expected.

### **Additional information**

Other ecotoxicological advice:

Do not release untreated into natural waters.

Do not discharge product into the environment without control.

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## 13. Disposal considerations

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

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

### **Container disposal:**

Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

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

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## 14. Transport Information

### **Land transport**

USDOT

Hazard class: 9

Packing group: III

ID number: UN 3082

Hazard label: 9, EHSM

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (contains ISOTRIDECAN-1-OL)

### **Sea transport**

IMDG

Hazard class: 9

Packing group: III

ID number: UN 3082

Hazard label: 9, EHSM

Marine pollutant: YES

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,

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N.O.S. (contains ISOTRIDECAN-1-OL)

### Air transport

IATA/ICAO

Hazard class: 9

Packing group: III

ID number: UN 3082

Hazard label: 9, EHSM

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (contains ISOTRIDECAN-1-OL)

## 15. Regulatory Information

### Federal Regulations

#### Registration status:

Chemical TSCA, US released; restriction on use / listed  
TSCA § 5 commenced PMN  
40 CFR 721.10554

**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:

#### HMIS III rating

Health: 2 Flammability: 1 Physical hazard: 0

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

Aquatic Acute	1	Hazardous to the aquatic environment - acute
Aquatic Chronic	1	Hazardous to the aquatic environment - chronic
Skin Irrit.	2	Skin irritation

## 16. Other Information

### SDS Prepared by:

BASF NA Product Regulations  
SDS Prepared on: 2025/08/27

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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