

## Chemical Safety Data Sheet MSDS / SDS

**3-DECENOIC ACID**Revision Date:2026-03-20 Revision Number:1

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

Product name : 3-DECENOIC ACID  
CBnumber : CB8781545  
CAS : 15469-77-9  
EINECS Number : 239-489-2  
Synonyms : DEC-3-ENOICACID;EINECS 239-489-2

**Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses : For R&D use only. Not for medicinal, household or other use.  
Uses advised against : none

**Company Identification**

Company : Chemicalbook  
Address : Building 1, Huihuang International, Shangdi 10th Street, Haidian District, Beijing  
Telephone : 010-86108875

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**SECTION 2: Hazards identification****GHS Label elements, including precautionary statements**

Symbol(GHS)



Signal word

Warning

**Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash skin thoroughly after handling.

**Hazard statements**

H319 Causes serious eye irritation

H315 Causes skin irritation

**SECTION 3: Composition/information on ingredients****Substance**

Product name	: 3-DECENOIC ACID
Synonyms	: DEC-3-ENOICACID;EINECS 239-489-2
CAS	: 15469-77-9
EC number	: 239-489-2
MF	: C10H18O2
MW	: 170.25

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## SECTION 4: First aid measures

### **If inhaled**

Remove person to fresh air and keep comfortable for breathing. Get medical advice/ attention if you feel unwell.

### **In case of skin contact**

Take off all contaminated clothing immediately. Wash off with plenty of water. If skin irritation occurs: Get medical advice/ attention.

### **In case of eye contact**

Rinse with plenty of water. If easy to do, remove contact lens, if worn. If eye irritation persists: Get medical advice/ attention.

### **If swallowed**

Get medical advice/ attention. Rinse mouth.

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

None known.

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## SECTION 5: Firefighting measures

### **Suitable extinguishing media**

Dry powder, Foam, Water spray, Carbon dioxide (CO<sub>2</sub>)

### **Specific hazards during fire fighting**

No information available.

### **Specific extinguishing methods**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Immediately evacuate personnel to safe areas. Remove undamaged containers from fire area if it is safe to do so.

### **Special protective equipment for fire-fighters**

Use personal protective equipment.

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## SECTION 6: Accidental release measures

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

Wear suitable protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

### **Environmental precautions**

Prevent product from entering drains.

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

Collect as much of the spill as possible with a suitable absorbent material.

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## **SECTION 7: Handling and storage**

### **Handling**

#### **Technical measures**

Prevent generation of vapor or mist.

#### **Local/Total ventilation**

Ensure adequate ventilation. Use a local exhaust ventilation.

#### **Advice on safe handling**

Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Wash hands and face thoroughly after handling.

#### **Avoidance of contact**

Oxidizing agents

### **Storage**

#### **Conditions for safe storage**

Keep container tightly closed. Store in a cool and shaded area. Keep under inert gas.

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## **SECTION 8: Exposure controls/personal protection**

### **Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

### **Engineering measures**

Install a closed system or local exhaust.

Also install safety shower and eye bath.

### **Personal protective equipment**

#### **Respiratory protection**

Gas mask

#### **Eye/face protection**

Safety glasses

Face-shield

#### **Skin and body protection**

Protective suit

#### **Hand protection**

Protective gloves \*Use personal protective equipment(PPE) approved under appropriate government standards and follow local and national regulations.

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## SECTION 9: Physical and chemical properties

### Information on basic physicochemical properties

liquid

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#### Color

colorless - yellow

#### Odor

No data available

#### Odor Threshold

No data available

#### pH

No data available

#### Melting point/freezing point

10 °C

#### Boiling point/boiling range

120 °C (2.0 hPa)

#### Flash point

No data available

#### Evaporation rate

No data available

#### Flammability

No data available

#### Upper explosion limit / Upper flammability limit

No data available

#### Lower explosion limit / Lower flammability limit

No data available

#### Vapor pressure

No data available

#### Relative density

0.92

### **Solubility(ies)**

#### **Water solubility**

No data available

#### **Solubility in other solvents**

No data available

#### **Partition coefficient: n-octanol/water**

No data available

#### **Autoignition temperature**

No data available

#### **Decomposition temperature**

No data available

### **Viscosity**

#### **Viscosity, dynamic**

No data available

#### **Viscosity, kinematic**

No data available

### **Molecular weight**

170.25 g/mol

### **Physical state**

clear liquid

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## SECTION 10: Stability and reactivity

### **Reactivity**

No data available

### **Chemical stability**

Stable under normal conditions.

### **Possibility of hazardous reactions**

None under normal processing.

### **Conditions to avoid**

Exposure to air.

## **Incompatible materials**

Oxidizing agents

## **Hazardous decomposition products**

Carbon monoxide, Carbon dioxide (CO<sub>2</sub>)

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# SECTION 11: Toxicological information

## **Acute toxicity**

Classified based on available data. For more details, see section 2.

## **Skin corrosion/irritation**

### **Product**

### **Result**

Skin irritation

### **Components**

#### **3-Decenoic Acid**

### **Result**

Skin irritation

## **Serious eye damage/eye irritation**

### **Product**

### **Result**

Eye irritation

### **Components**

#### **3-Decenoic Acid**

### **Result**

Eye irritation

## **Respiratory or skin sensitization**

Classified based on available data. For more details, see section 2.

## **Germ cell mutagenicity**

Classified based on available data. For more details, see section 2.

### **Carcinogenicity**

Classified based on available data. For more details, see section 2.

### **Reproductive toxicity**

Classified based on available data. For more details, see section 2.

### **STOT-single exposure**

Classified based on available data. For more details, see section 2.

### **STOT-repeated exposure**

Classified based on available data. For more details, see section 2.

### **Repeated dose toxicity**

Classified based on available data. For more details, see section 2.

### **Aspiration toxicity**

Classified based on available data. For more details, see section 2.

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## SECTION 12: Ecological information

### **Ecotoxicity**

No data available

### **Persistence and degradability**

No data available

### **Bioaccumulative potential**

No data available

### **Mobility in soil**

No data available

### **Other adverse effects**

No data available

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## SECTION 13: Disposal considerations

### **Disposal methods**

#### **Waste from residues**

Disposal in accordance with local and national regulations. Entrust disposal to a licensed waste disposal company.

#### **Contaminated packaging**

Disposal in accordance with local and national regulations. Before disposal of used container, remove contents completely.

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## SECTION 14: Transport information

### International Regulations

#### IATA-DGR

**UN/ID No.**

Not applicable

**Proper shipping name**

Not applicable

**Class**

Not applicable

**Subsidiary risk**

Not applicable

**Packing group**

Not applicable

#### IMDG-Code

**UN number**

Not applicable

**Proper shipping name**

Not applicable

**Class**

Not applicable

**Subsidiary risk**

Not applicable

**Packing group**

Not applicable

**EmS Code**

Not applicable

#### Domestic regulation

**GB 6944/12268****UN number**

Not applicable

**Proper shipping name**

Not applicable

**Class**

Not applicable

**Subsidiary risk**

Not applicable

**Packing group**

Not applicable

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## SECTION 15: Regulatory information

### **CH BAGREG**

On the inventory, or in compliance with the inventory

### **TSCA**

Substance(s) not listed on TSCA inventory

### **AICS**

On the inventory, or in compliance with the inventory

### **DSL**

All components of this product are on the Canadian DSL

### **ENCS**

On the inventory, or in compliance with the inventory

### **ISHL**

On the inventory, or in compliance with the inventory

### **KECI**

On the inventory, or in compliance with the inventory

### **PICCS**

On the inventory, or in compliance with the inventory

### **IECSC**

On the inventory, or in compliance with the inventory

### **NZIoC**

Not in compliance with the inventory

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## SECTION 16: Other information

### **Abbreviations and acronyms**

CAS: Chemical Abstracts Service

TWA: Time-Weighted Average

STEL: Short-Term Exposure Limit

LD50: Lethal Dose 50%

LC50: Lethal Concentration 50%

EC50: Effective Concentration 50%

PEL: Permissible Exposure Limit

TLV: Threshold Limit Value

IMDG: International Maritime Dangerous Goods Code

IATA: International Air Transport Association

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

DOT: US Department of Transportation

NFPA: National Fire Protection Association

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

**Disclaimer:**

The information in this MSDS is only applicable to the specified product, unless otherwise specified, it is not applicable to the mixture of this product and other substances. This MSDS only provides information on the safety of the product for those who have received the appropriate professional training for the user of the product. Users of this MSDS must make independent judgments on the applicability of this SDS. The authors of this MSDS will not be held responsible for any harm caused by the use of this MSDS.