

### SECTION 1: Identification

#### 1.1. Identification

Product form	: Substance
Substance name	: Dibutyl Sebacate
CAS-No.	: 109-43-3
Formula	: C18H34O4
Synonyms	: Dibutyl Sebacate NF
Other means of identification	: Dibutyl decanedioate

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture	: Formulation into mixture Intermediate Plasticizer Pharmaceutical excipient Polymers Manufacture of textiles Metal surface treatment products Washing and cleaning products Leather treatment products Water treatment chemicals
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#### 1.3. Supplier

Vertellus LLC  
201 North Illinois Street, Suite 1800  
Indianapolis, Indiana 46204, USA  
T: +1-317-247-8141  
SDS@Vertellus.com

#### 1.4. Emergency telephone number

Emergency number	: Vertellus: +1-336-292-1781 CHEMTREC (USA): +1-800-424-9300 CHEMTREC (International): +1-703-527-3887 US National Poison Help: +1-800-222-1222
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### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Not classified

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

No labeling applicable

#### 2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification	: May cause slight irritation to the skin. May cause slight irritation to eyes.
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#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Substance type	: Mono-constituent
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Name	Product identifier	%	GHS US classification
Dibutyl Sebacate	(CAS-No.) 109-43-3	≥ 98	Not classified

Full text of hazard classes and H-statements : see section 16

#### 3.2. Mixtures

Not applicable

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### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
- First-aid measures after skin contact : Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : Immediately rinse with water for a prolonged period while holding the eyelids wide open. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth out with water. Do NOT induce vomiting. Get medical advice/attention.

#### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects : May cause slight temporary irritation.
- Chronic symptoms : No chronic health hazards are likely for this material.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical.
- Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

#### 5.2. Specific hazards arising from the chemical

- Fire hazard : Not flammable.
- Explosion hazard : Product is not explosive.
- Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Fight fire with normal precautions from a reasonable distance.
- Protection during firefighting : Wear recommended personal protective equipment. Complete protective clothing. Self-contained breathing apparatus.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Ventilate spillage area.

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Do not get in eyes, on skin, or on clothing. Avoid breathing dust/fume/gas/mist/vapours/spray. Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Emergency procedures : Do not attempt to take action without suitable protective equipment.

#### 6.2. Environmental precautions

Do not allow product to spread into the environment. Prevent entry to sewers and public waters.

#### 6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". Concerning disposal elimination after cleaning, see item 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Wear personal protective equipment. Avoid any direct contact with the product.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry place. Store in a closed container. Store in a well-ventilated place.
- Incompatible products : Strong acids. Strong bases. Strong oxidizers.
- Incompatible materials : None known.

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Dibutyl Sebacate (109-43-3)

No additional information available

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

#### 8.3. Individual protection measures/Personal protective equipment

##### Hand protection:

Chemical resistant gloves (according to European standard EN 374 or equivalent). Neoprene protective gloves. nitrile rubber gloves. Protective gloves made of PVC

##### Eye protection:

Chemical goggles or safety glasses

##### Skin and body protection:

Long sleeved protective clothing. Chemical resistant safety shoes

##### Respiratory protection:

In case of inadequate ventilation wear respiratory protection.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Oily. Colorless liquid.
Color	: Colorless
Odor	: Slight
Odor threshold	: No data available
pH	: Not applicable
Melting point	: No data available
Freezing point	: -10 °C
Boiling point	: 345 °C
Flash point	: 178 °C (Open cup)
Relative evaporation rate (butyl acetate=1)	: < 1
Flammability (solid, gas)	: Not flammable.
Vapor pressure	: < 0.001 Pa (25°C)
Relative vapor density at 20 °C	: 10.8
Relative density	: 0.934 – 0.94
Molecular mass	: 314.47 g/mol
Solubility	: insoluble in water. Water: < 0.05 mg/l (20 °C, pH 6.4)
Partition coefficient n-octanol/water (Log Pow)	: 6.3 (estimated value)
Auto-ignition temperature	: 365 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 9 mPa·s (20°C)
Explosion limits	: Not applicable
Explosive properties	: Product is not explosive.
Oxidizing properties	: No.

#### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No dangerous reactions known.

#### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

#### 10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

#### 10.4. Conditions to avoid

Overheating. Open flame.

#### 10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

#### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Based on available data, the classification criteria are not met  
Acute toxicity (dermal) : Based on available data, the classification criteria are not met  
Acute toxicity (inhalation) : Based on available data, the classification criteria are not met

Dibutyl Sebacate (109-43-3)	
LD50 oral rat	> 4750 mg/kg (OECD 401 method)
LD50 dermal rabbit	> 2000 mg/kg REACH data - Chemical category
LC50 inhalation rat (mg/l)	> 5.7 mg/l/4h REACH data - Chemical category

Skin corrosion/irritation : Slightly irritant but not relevant for classification  
pH: Not applicable  
Serious eye damage/irritation : Slightly irritant but not relevant for classification  
pH: Not applicable  
Respiratory or skin sensitization : Based on available data, the classification criteria are not met  
Chemical category  
Germ cell mutagenicity : Based on available data, the classification criteria are not met  
Chemical category  
Carcinogenicity : Not classified

Dibutyl Sebacate (109-43-3)	
IARC group	Not listed

Reproductive toxicity : Based on available data, the classification criteria are not met  
Chemical category  
STOT-single exposure : Based on available data, the classification criteria are not met  
STOT-repeated exposure : Based on available data, the classification criteria are not met  
Aspiration hazard : Based on available data, the classification criteria are not met  
Symptoms/effects : May cause slight temporary irritation.  
Chronic symptoms : No chronic health hazards are likely for this material.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Dibutyl Sebacate (109-43-3)	
LC50 fish 1	No toxic effects occur within the range of solubility
EC50 Daphnia 1	No toxic effects occur within the range of solubility
ErC50 (algae)	No toxic effects occur within the range of solubility

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### 12.2. Persistence and degradability

Dibutyl Sebacate (109-43-3)	
Persistence and degradability	Readily biodegradable.
Biodegradation	> 80 % (28 days) REACH data - Chemical category.

### 12.3. Bioaccumulative potential

Dibutyl Sebacate (109-43-3)	
BCF fish 1	281 (calculated value)
Partition coefficient n-octanol/water (Log Pow)	6.3 (estimated value)
Bioaccumulative potential	Bioaccumulation is not expected to occur.

### 12.4. Mobility in soil

Dibutyl Sebacate (109-43-3)	
Mobility in soil	Product adsorbs onto the soil
Partition coefficient n-octanol/water (Log Koc)	> 3 (estimated value)

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

- Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.
- Sewage disposal recommendations : Do not dispose of waste into sewer.
- Product/Packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not applicable

### Transportation of Dangerous Goods

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Dibutyl Sebacate (109-43-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

### 15.2. International regulations

#### CANADA

#### Dibutyl Sebacate (109-43-3)

Listed on the Canadian DSL (Domestic Substances List)

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### EU-Regulations

#### Dibutyl Sebacate (109-43-3)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

### National regulations

#### Dibutyl Sebacate (109-43-3)

Listed on the AICS (Australian Inventory of Chemical Substances)  
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)  
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory  
Listed on NZIoC (New Zealand Inventory of Chemicals)  
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)  
Listed on KECI (Korean Existing Chemicals Inventory)

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

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Revision date : 05/17/2020

Data sources : REACH data.

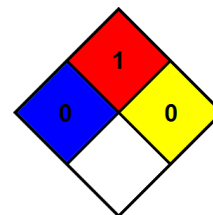
Abbreviations and acronyms:

CAS	Chemical Abstracts Service number
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IARC	International Agency for Research on Cancer
LC50	Median lethal concentration
LD50	Median lethal dose
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative

NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health : 0 Minimal Hazard - No significant risk to health

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

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### Indication of changes:

All chapters have been modified since the previous version (new software).

Hazard Rating (HMIS) - Flamability

SDS US (GHS HazCom 2012)

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