

Section 1. Product and Company Identification

**Product Name** Dibutyl Sebacate  
**CAS Number** 109-43-3

**Parchem - fine & specialty chemicals**  
**415 Huguenot Street**  
**New Rochelle, NY 10801**  
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**EMERGENCY RESPONSE NUMBER**  
CHEMTEL  
Toll Free US & Canada: 1 (800) 255-3924  
All other Origins: 1 (813) 248-0585  
Collect Calls Accepted

Section 2. Hazards Identification

**Classification (29CFR1910.1200 Appendix A):** Not classified as hazardous under this directive.

**GHS Classification**

**GHS Physical Hazard:** Not listed

**GHS Environmental Hazard:** Not listed

**GHS Health Hazard**

Eye irritation (Category 2A);

Skin irritation (Category 2);

Specific target organ toxicity - single exposure (Category 3)

**GHS Label Elements**

**Pictograms:**



**Signal word:** WARNING

**Hazard and precautionary statements**

**Hazard Statements**

H315 Cause skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**Precautionary Statements**

P261 Avoid breathing dust/fumes/gas/mist/vapors.

P305+ P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Seek medical attention.



**HMIS Rating**

**Health:** 0  
**Flammability:** 1  
**Reactivity:** 0

**NFPA Rating**

**Health:** 2  
**Flammability:** 1  
**Reactivity:** 0

Section 3. Composition / Information on Ingredients

**Common Name** Dibutyl Sebacate  
**Synonym(s)** n-Decanedioic Acid Di-n-Butyl Ester  
**CAS Number** 109-43-3

COMPONENT	CAS NUMBER	CONCENTRATION
Dibutyl Sebacate	109-43-3	> 99%

Section 4. First Aid Measures

**Emergency first aid procedures by route of exposure**

**General Advice:** Immediately remove any clothing contaminated by the product. Move out of dangerous area. Consult a physician and show this safety data sheet.

**Inhalation:** Remove person to fresh air. If signs/symptoms continue, get medical attention. Give oxygen or artificial respiration as needed.

**Ingestion:** DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Seek medical attention. Never give anything by mouth to an unconscious individual.

**Skin:** Wash skin with soap and copious amounts of water. Seek medical attention.

**Eyes:** Thoroughly flush the eyes with large amounts of clean low-pressure water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention.

Section 5. Firefighting Measures

**Flash Point (Open Cup):** 178°C (353°F)

**Auto-ignition Temperature:** 365°C (690°F)

**Lower Explosion Limit:** Not available

**Upper Explosion Limit:** Not available

**Flammability Classification:** Not available

**Suitable Extinguishing Media:** Cool containers with flooding quantities of water until well after fire is out. Use water spray, dry chemical, carbon dioxide, or appropriate foam.



**Products of Combustion:** Carbon oxides expected to be the primary hazardous combustion product.

**Firefighting Equipment/Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool.

#### Section 6. Accidental Release Measures

##### **Personal Protection:**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Environmental Precautions:** Stop leak. Contain spill if possible and safe to do so. Prevent product from entering drains.

**Method for Containment:** Prevent further leak or spill if safe to do so.

**Methods for Clean-up:** Vacuum, sweep up, or absorb with inert material and place into a suitable disposal container. Consult local regulations for disposal

#### Section 7. Handling and Storage

**Handling:** Do not get on skin or in eyes. Do not inhale vapor or mist. Take normal fire prevention measures.

**Storage:** Container must be sealed tightly and kept in a cool, dry, well-ventilated space.

#### Section 8. Exposure Controls / Personal Protection

**Engineering Controls:** Avoid contact with skin, eyes, and clothing. Wash hands before breaks and immediately after handling the product. Facilities storing or utilizing this material should be equipped with an eyewash fountain. Use adequate ventilation to keep airborne concentrations low

##### **Personal Protective Equipment (PPE)**

**Respiratory Protection:** Use NIOSH/MSHA or CEN approved respirator

**Eye/Face Protection:** Wear chemical splash goggles

**Hand Protection:** Wear protective gloves

**Body:** Wear protective lab coat and boots

**Other Protective Equipment:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9. Physical and Chemical Properties

**Appearance:** Liquid. Colorless, clear.

**Odor:** Not Available

**Odor threshold:** Not Available

**pH:** Not Available

**Melting point/freezing point:** -12°C

**Initial boiling point and boiling range:** 343°C (650°F)

**Flash point (Open Cup):** 178°C (353°F)

**Evaporation rate:** Not Available

**Flammability:** Not Available

**Upper/lower flammability or explosive limit:** Lower Limit: 0.44% (V)

**Vapor pressure:** Not Available

**Vapor density:** 10.8

**Relative density:** 0.936 g/mL at 25°C (77°F)

**Solubility:** not soluble

**Partition coefficient:** Not Available

**Auto-ignition temperature:** 365°C (690°F)

**Decomposition temperature:** Not Available

**Viscosity:** Not Available

**Specific Gravity (25°C):** Not Available

Section 10. Stability and Reactivity

**Reactivity:** Not available

**Chemical stability:** Stable under normal temperatures and pressures

**Possibility of hazardous reactions:** Not available

**Conditions to avoid:** Incompatible materials, strong oxidants, excess heat

**Incompatible materials:** Not available

**Hazardous decomposition products:** Irritating and toxic fumes and gases such as carbon monoxide and carbon dioxide

Section 11. Toxicological Information

**RTECS#:**

CAS# 109-43-3: VS1150000

LD50/LC50:

CAS# 109-43-3:

Oral, mouse: LD50 = 19500 mg/kg;

Oral, rat: LD50 = 14870 mg/kg;

**Carcinogenicity:** CAS# 109-43-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:** No information available.



**Teratogenicity:** No information available.  
**Reproductive Effects:** No information available.  
**Mutagenicity:** No information available.  
**Neurotoxicity:** No information available.  
**Other Studies:** No information available.

Section 12. Ecological Information

**Mobility:** Not Available  
**Bioaccumulation:** Not Available  
**Biodegradability:** Biodegradable  
**Aquatic Toxicity:** Acute Fish Toxicity: LC50 > 100 mg/Liter

Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Not regulated as a hazardous material by the U.S. DOT, IMO, IATA, and RID/ADR.

Section 15. Regulatory Information

**US Federal**

**TSCA:** CAS# 109-43-3 is listed on the TSCA inventory.

**Health & Safety Reporting List:** None of the chemicals are on the Health & Safety Reporting List.

**Chemical Test Rules:** None of the chemicals in this product are under a Chemical Test Rule.

**Section 12b:** None of the chemicals are listed under TSCA Section 12b.

**TSCA Significant New Use Rule:** None of the chemicals in this material have a SNUR under TSCA.

**CERCLA Hazardous Substances and corresponding RQs:** None of the chemicals in this material have an RQ.

**SARA Section 302 Extremely Hazardous Substances:** None of the chemicals in this product have a TPQ.

**Section 313** No chemicals are reportable under Section 313.

**Clean Air Act**

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

**Clean Water Act**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.



None of the chemicals in this product are listed as Priority Pollutants under the CWA.  
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:** None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE:** CAS# 109-43-3 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

**California Prop 65:** California No Significant Risk Level: None of the chemicals in this product are listed.

#### European/International Regulations

##### European Labeling in Accordance with EC Directives

**Hazard Symbols:** Not available.

**Risk Phrases:** N/A

##### Safety Phrases

S 24/25 Avoid contact with skin and eyes.

S 37 Wear suitable gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 28A After contact with skin, wash immediately with plenty of water

##### WGK (Water Danger/Protection)

CAS# 109-43-3: 0

##### Canada - DSL/NDSL

CAS# 109-43-3 is listed on Canada's DSL List.

##### Canada - WHMIS

WHMIS: Not available.

Section 16. Other Information
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**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 10/19/2016