



Section 1. Product and Company Identification

**Product Name** Sebacic Acid  
**CAS Number** 111-20-6

**Parchem - fine & specialty chemicals**  
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**New Rochelle, NY 10801**  
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Collect Calls Accepted

Section 2. Hazards Identification

**Classification According to Annex I of DIRECTIVE 67/548/EEC:** This Substance is Not Classified in the ANNEX I of DIRECTIVE 67/548/EEC

**Classification According to Directive 67/548/EEC Criteria**

**Physical/ Chemical Hazards:** None.

**Health Hazards:** None

**Environmental Hazards:** None.

**Classification According to EU CLP 2008**

**For Physical-Chemical Properties:** None

**For Health Hazards:** None.

**For Environmental Hazards:** None.

**Labelling**

**Signal Word:** No signal word

Section 3. Composition / Information on Ingredients

**Common Name** Sebacic Acid  
**Formula**  $C_{10}H_{18}O_4$   
**CAS Number** 111-20-6

COMPONENT	CAS NUMBER	CONCENTRATION
Sebacic Acid	111-20-6	> 99.5%

Section 4. First Aid Measures

**Inhalation:** An ambient temperature inhalation is unlikely because of the low vapor pressure of the substances.

**Skin Contact:** Rinse immediately with plenty of water for 15 minutes while removing contaminated clothing and shoes. In event of subsequent irritation, seek medical advice.



**Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

**Eye Contact:** In the case of contact with eyes, rinse immediately with plenty of water for 15 minutes. Seek medical advice if sign of irritation persist.

#### Section 5. Firefighting Measures

**Suitable Extinguishing Media:** Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam

**Specific Hazards:** Combustible solid which burns but propagates flame with difficulty. Avoid generating dust, particularly clouds of dust in a confined or unventilated space as dusts may form an explosive mixture with air, and any source of ignition. On combustion, may emit toxic fumes of carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), and other pyrolysis products typical of burning organic material.

**Unusual Hazards:** None known

**Special Protective Equipment for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure demand, MSHA/NIOSH (approved or equivalent), full protective gear and chemical gloves.

#### Section 6. Accidental Release Measures

**Personal Precautions:** Remove ignition sources. Control personal contact by using protective equipment. For personal protective equipment, refer to Section 8.

**Environmental Precautions:** Prevent product or wash water from entering drains.

**Methods for Cleaning Up:** If dry, use dry up procedures and avoid generating dust. Collect residues and place in suitable container for disposal. If wet, sweep up and shovel into suitable container for disposal.

#### Section 7. Handling and Storage

**Storage:** Room temperature

**Handling:** Use only in area provided with appropriate exhaust ventilation.

**Safe Handling Advice:** Wear personal protective equipment.

**Incompatible Products:** Oxidizing and spontaneously flammable products

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

**Engineering Measures:** Ensure adequate ventilation.

##### Personal Protective Equipment

**Respiratory Protection:** Breathing apparatus only if aerosol or dust is formed.

**Hand Protection:** PVC or other plastic material gloves

**Skin and Body Protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect.

**Eye Protection:** Safety glasses with side-shields

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.



Section 9. Physical and Chemical Properties

**Physical State:** Solid  
**Melting Point/Range:** Approx. 132°C  
**Boiling Point/Range:** 294.5°C (with decomposition)  
**Density:** 1.207 g/ml  
**Vapor Pressure:** No data available  
**Evaporation Rate:** No data available  
**Vapor Density:** No data available  
**Solubility (in Water):** Insoluble  
**Flash Point:** Not determined  
**Auto-ignition Temperature:** Not determined

Section 10. Stability and Reactivity

**Stability:** Stable under recommended storage conditions.  
**Polymerization:** None under normal processing.  
**Hazardous Decomposition Products:** Thermal decomposition can lead to release of irritating gases and vapors such as carbon oxides.  
**Materials to Avoid:** Bases, oxidizing agents, reducing agents  
**Conditions to Avoid:** Exposure to air or moisture over prolonged periods.

Section 11. Toxicological Information

**Product Information**

**Acute Toxicity**

**Oral LD50 Rat:** > 5000 mg/kg  
**Skin Mouse (Sprague-Dawley) LD50:** > 2000 mg/kg

**Skin/Eye Irritation**

**Skin**

**Method:** Rabbit (Vienna white), OECD guideline 404, Coverage: Occlusive  
9shved)

**Result:** Erythema and edema scores are both 0 of max. 0 (mean) (time point: 24h - 48h - 72h) (fully reversible within: 72h)

**Eye**

**Method:** Rabbit (Vienna white), OECD guideline 405

**Result:** Cornea, score is 0 of max. 4 (mean) (time point: 24h - 48h - 72h) (no effect)  
Iris, score is 0 of max. 2 (mean) (time point: 24h - 48h - 72h) (no effect)  
Conjunctive score is 1.4 of max. 3 (mean) (time point: 24h - 48h - 72h) (fully reversible within: 7 days)  
Chemosis score is 0 of max. 4 (mean) (time point: 24h - 48h - 72h) (no effect)



**Sensitization:** Not sensitizing

**Mutagenicity**

**Mammalian Cell Gene Mutation Assay (Gene Mutation):** Negative (OECD Guideline 476)

**Carcinogenicity:** Not listed by ACGIH, NIOSH, IARC, NTP, or OSHA.

**Reproductive Toxicity:** Not available

**Specific Target Organ Toxicity - Single Exposure:** Not available

**Specific Target Organ Toxicity - Repeated Exposure:** Oral, 6 month: NOAEL  $\geq$  1000 mg/kg/d

**Aspiration Hazard:** Not available

Section 12. Ecological Information

**Ecotoxicity**

**LC50 (96h):** > 100 mg/l (Bracydanio recio) (OECD 203)

**EC50 (48h):** > 100 mg/l (Daphnia magna) (OECD 202)

**Mobility:** Not available

**Persistence and Degradability**

**Readily Biodegradable:** 98% after 7 days (ISO7827)

**Readily Biodegradable:** 89% after 28 days (OECD 306)

**Bioaccumulative Potential:** Regarding the 1-octanol/water partition coefficient, significant accumulation of Sebacic acid in organisms is not to be expected.

**Results of PBT Assessment:** Not classified as PBT or VPVB

**Other Adverse Effects:** Not available

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 For Transport of Dangerous Goods:** ADR, AND, IATA, AMDG



Section 15. Regulatory Information

**US Federal**

**TSCA:** CAS# 111-20-6 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.

**SARA**

**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 depleters. This material does not contain any class 2 ozone depleters.

**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# 111-20-6 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

**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:** N/A

**WGK (Water Danger/Protection):** CAS# 111-20-6: 1

**Canada - DSL/NDL:** CAS# 111-20-6 is listed on Canada's DSL list.

**Canada - WHMIS:** Not available.

**Canadian Ingredient Disclosure List:** N/A

**Exposure Limits:** N/A



Section 16. Other Information

**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.

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