

## 1. Product and Company Identification

**Product Code:** 00189  
**Product Name:** Sour Flavor  
**Company Name:** Perfumer's Apprentice  
 170 Technology Circle  
 Scotts Valley, CA 95066  
**Phone Number:** (831)316-7137  
**Web site address:** Perfumersapprentice.com  
**Emergency Contact:** Chem-Tel Phone (800)255-3924

## 2. Hazards Identification

### Skin Corrosion/Irritation, Category 3

**GHS Signal Word:** **Warning**  
**GHS Hazard Phrases:** H316: Causes mild skin irritation.  
**GHS Precaution Phrases:** No phrases apply.  
**GHS Response Phrases:** P332+313: If skin irritation occurs, get medical advice/attention.  
**GHS Storage and Disposal Phrases:** No phrases apply.  
**Potential Health Effects (Acute and Chronic):** No data available.  
**Inhalation:** May be harmful if inhaled.  
**Skin Contact:** Causes skin irritation.  
**Eye Contact:** Causes eye burns.  
**Ingestion:** May be harmful if swallowed.

## 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
57-55-6	Propylene glycol	>=10.0 %
617-48-1	DL-Malic acid	15.0 -20.0 %

## 4. First Aid Measures

**Emergency and First Aid Procedures:** No data available.

**In Case of Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**In Case of Skin Contact:** In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

**In Case of Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

**In Case of Ingestion:** If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical aid.

**Note to Physician:** Persons with impaired kidney function may be more susceptible to the effects of this substance. Treat symptomatically and supportively.

### 5. Fire Fighting Measures

<b>Flash Pt:</b>	> 200.00 F		
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.	
<b>Autoignition Pt:</b>	371.00 C		
<b>Suitable Extinguishing Media:</b>	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.		
<b>Fire Fighting Instructions:</b>	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.		
<b>Flammable Properties and Hazards:</b>	No data available.		

### 6. Accidental Release Measures

<b>Protective Precautions, Protective Equipment and Emergency Procedures:</b>	Ensure adequate ventilation.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Dike to collect large liquid spills.

### 7. Handling and Storage

<b>Precautions To Be Taken in Handling:</b>	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.
<b>Precautions To Be Taken in Storing:</b>	Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
57-55-6	Propylene glycol	No data.	No data.	No data.
617-48-1	DL-Malic acid	No data.	No data.	No data.
<b>Respiratory Equipment (Specify Type):</b>	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.			
<b>Eye Protection:</b>	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.			
<b>Protective Gloves:</b>	Wear appropriate protective gloves to prevent skin exposure.			
<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.			
<b>Engineering Controls (Ventilation etc.):</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.			

### 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [ X ] Liquid [ ] Solid

**Appearance and Odor:** Transparent light brown liquid.  
 Flavorless and odorless.

**Melting Point:** -60.00 C

**Boiling Point:** 187.00 C

**Autoignition Pt:** 371.00 C

**Flash Pt:** > 200.00 F

**Explosive Limits:** LEL: No data. UEL: No data.

**Specific Gravity (Water = 1):** 1.1071 at 22.0 C

**Density:** 1.030 G/ML

**Vapor Pressure (vs. Air or mm Hg):** No data.

**Vapor Density (vs. Air = 1):** No data.

**Evaporation Rate:** No data.

**Solubility in Water:** No data.

**Percent Volatile:** No data.

### 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [ X ]

**Conditions To Avoid - Instability:** Excess heat, moist air.

**Incompatibility - Materials To Avoid:** Strong oxidizing agents.

**Hazardous Decomposition Or Byproducts:** Carbon monoxide, Carbon dioxide.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]

**Conditions To Avoid - Hazardous Reactions:** No data available.

### 11. Toxicological Information

**Toxicological Information:** This mixture has not been subjected to toxicological testing but has been blended from materials with established toxicological bibliographies. In view of the difficulty of using current standard toxicological evaluation techniques to predict potential hazards to susceptible individuals or arising from unforeseeable potentiation, this preparation should be considered and handled as if it displayed health hazards and consequently treated with all possible precaution.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

### 12. Ecological Information

**General Ecological Information:** This mixture as a whole has not been subjected to ecotoxicological testing. In view of the difficulty of using current standard ecotoxicological evaluation techniques to predict the impact of particular modes of release on vulnerable or localized parts of the ecosystem, this preparation should be considered and handled as if it displayed potential environmental hazards, and treated in consequence with all possible precaution.

### 13. Disposal Considerations

**Waste Disposal Method:** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

### 14. Transport Information

**GHS Classification:** Skin Corrosion/Irritation, Category 3 - Warning! Causes mild skin irritation

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated.

**DOT Hazard Class:**

**UN/NA Number:**

**LAND TRANSPORT (Canadian TDG):**

**TDG Shipping Name:** Not Regulated.

**LAND TRANSPORT (European ADR/RID):**

**ADR/RID Shipping Name:** Not Regulated.

**MARINE TRANSPORT (IMDG/IMO):**

**IMDG/IMO Shipping Name:** Not Regulated.

**AIR TRANSPORT (ICAO/IATA):**

**ICAO/IATA Shipping Name:** Not Regulated.

### 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
57-55-6	Propylene glycol	No	No	No
617-48-1	DL-Malic acid	No	No	No

**This material meets the EPA**  Yes  No Acute (immediate) Health Hazard  
**'Hazard Categories' defined**  Yes  No Chronic (delayed) Health Hazard  
**for SARA Title III Sections**  Yes  No Fire Hazard  
**311/312 as indicated:**  Yes  No Sudden Release of Pressure Hazard  
 Yes  No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
57-55-6	Propylene glycol	CA PROP.65: No
617-48-1	DL-Malic acid	CA PROP.65: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
57-55-6	Propylene glycol	REACH: Yes - (R), (P)
617-48-1	DL-Malic acid	REACH: Yes - (R), (P)

## 16. Other Information

**Revision Date:** 03/31/2014

**Additional Information About This Product:** This product contains no added diacetyl as an ingredient. However, because diacetyl can occur in small amounts as an artifact of the production process in other ingredients, "No Added Diacetyl" products may not be "Diacetyl Free", as trace amounts may be present.

**Company Policy or Disclaimer:** The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any other process, unless specified in the text.