


Safety Data Sheet
Super Sour
Section 1: Chemical Product and Company Identification

Product Name: Super Sour
Catalog Codes: FL008-WL-SUPER-SOUR-8ML, FL030-WL-SUPER-SOUR-30ML, FL120-WL-SUPER-SOUR-4OZ
Country of Origin: USA

Contact Information:
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Section 2: Hazards Identification


NFPA



HAZARDS: IRRITANT

SIGNALWORD: WARNING!

GHS label elements including precautionary statements.

DANGER! MAY BE FATAL IF SWALLOWED. HARMFUL IF INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. MAY CAUSE ALLERGIC REACTION. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.

Eye Contact: Irritant due to its phenolic character. Can cause reddening and tearing.

Skin Contact: Mild irritant but may cause pain or inflammation on sensitive areas of the skin.

Ingestion: TOXIC: May cause gastrointestinal problems such as bloating or cramping have been reported by some people who have utilized malic acid supplements, states the Journal of Nutritional Medicine.

Inhalation: Breathing of vapors can irritate mucous membranes/respiratory system.

Section 3: Composition / Ingredient Information

Chemical Identity: DL-Malic acid in Propylene glycol

Properties (%w/w) 100% pure

Ingredient	Chemical Name	Molecular weight	Chemical Formula	CAS#	EINECS#
DL-Malic Acid	Butanedioic acid, Hydroxy-	134.09 g·mol ⁻¹	C4H6O5	6915-15-7	230-022-8
Propylene Glycol	Propane-1,2-diol	76.10 g·mol ⁻¹	C3H8O2	57-55-6	200-338-0

Section 4: First Aid Measures

Eyes: EYE IRRITANT. Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention if irritation persists.

Skin: Immediately flush skin with plenty of soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation persists.

Ingestion: Rinse mouth and seek medical attention immediately. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Medical Conditions Generally Aggravated by Exposure: Persons with pre-existing skin disorders, eye problems or impaired respiratory function may be more susceptible to the effects of this substance.

Section 5: Firefighting Measures

Flash Point: 93°C

Extinguishing media: For small fire, use dry chemical powder. For large fire, use water spray, fog or foam. Do not use water jet.

Special Procedures: As with most organic solids, fire is possible at elevated temperatures. Determine the need to evacuate or isolate the area according to your local emergency plan. Slightly explosive in presence of open flames and sparks. Non-explosive in presence of shocks.

Unusual Firefighting Hazards: Slightly explosive in presence of open flames and sparks. Non-explosive in presence of shocks.

Protective Equipment: Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving oils or chemicals.

Combustion Product: These products are carbon oxides (CO, CO₂).

Section 6: Accidental Release Measures

Personal Precautions: Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

Safety Precautions: Keep away from heat. Keep away from sources of ignition. Keep away from incompatibles such as oxidizing agents, alkalis.

Environmental Precautions: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. The products of degradation are less toxic than the product itself.

Methods for Cleaning Up: Wear suitable protective clothing such as splash goggles, full suit, dust respirator and gloves.

For Small Spill, use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

For Large Spill, use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Handling: Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before reuse.

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Storage: Containers should be kept closed in order to minimize contamination. Store in a cool, dry, well ventilated place protected from light. Keep away from extreme heat and from freezing conditions and away from all sources of ignition. Make sure the material does not come into contact with substances listed as: "Materials to Avoid".

Section 8: Exposure Controls / Personal Protection

Eyes Protection: The use of safety glasses is recommended. If a material is to be handled in a manner where splashing may occur, the use of splash goggles or face shield is recommended.

Respiratory Protection: In well-ventilated areas, respiratory protection is not normally required. In confined, poorly ventilated areas the use of "NIOSH" approved respiratory protection normally required (use only if trained in proper use and with acceptable oxygen level).

Protective Gloves: Using chemical resistant gloves is recommended.

Protective Clothing: Using chemical resistant clothing is recommended.

Protective Equipment: An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained.

Section 9: Physical and Chemical Properties

Physical State: Liquid

Color: White/Clear

Odor: Odorless

Refractive Index: 1.455-1.500 @20 C

Specific Gravity (H₂O = 1): 1.601

Vapor Pressure (mm Hg.): Not available

Vapor Density (AIR = 1): Not available

Flash Point: 93°C; 199.4° F

Boiling Point: 150°C; 302° F

Melting Point: 131°C; (267.8°F) -131

Solubility in Water: Soluble in cold water

Section 10: Stability and Reactivity

Stability: Stable
Conditions to Avoid: Excessive heat, incompatible materials
Incompatibility (Materials to Avoid): Reactive with oxidizing agents, alkalis.
Hazardous Decomposition or Byproducts: Forms CO and/or CO2 upon burning.
Hazardous Polymerization: Will not occur

Section 11: Toxicology Information

Chronic Effects on Humans: Not Available
Carcinogenic Data: None of the components of this material are listed as a carcinogen.
Reproductive Toxicity: No adverse effects on reproduction are known.
Inhalation: Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.
Skin Contact: Repeated or prolonged contact can cause redness, irritation and scaling of skin (Dermatitis). Adverse skin effects should be prevented by normal care and personal hygiene.
Eye Contact: May irritate eyes.
Ingestion: Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting.
Medical Conditions Aggravated by Exposure: May aggravate dermatitis, psoriasis and other skin conditions.
Chronic Toxicity: May cause allergic reactions on skin. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 12: Ecological Information

Ecotoxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.
Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal: Do not put into sewer lines. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transportation Information

DOT Classification: Not a DOT controlled material (United States).
IATA Shipping (Air): Not regulated as a hazardous material.
RID/ADR: Not regulated as a hazardous material.
IMO Shipping Description: Not regulated as a hazardous material.
Class/Division: D-2B (Canada)
Proper Shipping Name: DL-Malic acid
Label: None
Packing Group: NA
ID Number: NA
Hazard: NA

Section 15: Regulatory Information

DSCL (EEC): R22- Harmful if swallowed. R36/38- Irritating to eyes and skin. S2- Keep out of the reach of children. S46- If swallowed, seek medical advice immediately and show this container or label.
HMIS (USA): Health: 2 Fire: 1 Reactivity: 0 Protection: E
WHMS (Canada): Class D-2B. Material causing other toxic effects (TOXIC).
Protective Equipment: Gloves, Lab coat, Dust respirator (approved/certified), Splash Goggles

Section 16: Other Information

The information provided in this Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. Wizard Labs makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the Safety Data Sheet. Any employer must carefully assess the applicability of any information contained herein in regards to the particular use to which the employer puts the material. Wizard Labs makes no warranty, expressed or implied, including (without limitation) warranties with respect to the completeness or continuing accuracy of the information contained herein or with respect to fitness for any particular use.

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