

## Safety Data Sheet

<b>Section 1. Identification</b>	
<b>Product Identification and Item Numbers:</b>	Salicylic Acid 10% in hydroethanolic solution (C6952) Salicylic Acid 20% in hydroethanolic solution (C6951)
<b>Product Description:</b>	Salicylic Acid 10% in hydroethanolic solution Salicylic Acid 20% in hydroethanolic solution
<b>Recommended use and restrictions on use:</b>	N/A
<b>Supplier:</b>	Lab Alley LLC 22111 Highway 71 West, Suite 601 Spicewood, Texas 78669 Tel.: 512-668-9918
<b>In Case of Emergency, Contact:</b>	Infotrac: 800-535-5053

<b>Section 2. Hazard(s) Identification</b>		
<b>Classification:</b>		
Flammable Liquid (Category 2) Acute Toxicity – Oral (Category 4) Eye Irritant; ethanol (Category 2) Skin Corrosion (Category 1B) Specific target organ toxicity – single exposure (Category 3)		
<b>Labeling:</b>		
<b>Hazard symbol(s):</b>		
 GHS02: flame	 GHS05: corrosive	 GHS07: exclamation mark
<b>Signal word:      Danger!</b>		
<b>Hazard statements:</b>		
H225: Highly flammable liquid and vapor. H302: Harmful if swallowed. H318: Causes serious eye damage.		
<b>Precautionary statements:</b>		
P210: Keep away from heat/sparks/open flames/.../hot surfaces. ... No smoking. P233: Keep container tightly closed. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/lighting/.../ equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P264: Wash hands thoroughly after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection. P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P370+P378: In case of fire: Use dry chemical, alcohol foam, all purpose AFFF, carbon dioxide or water spray for extinction. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical advice/attention. P403+P235: Store in a well-ventilated place. Keep cool. P501: Dispose of contents and container to an approved waste disposal plant.		



<b>Containment / clean up methods:</b>	Highly flammable liquid. Eliminate all sources of ignition. All equipment used when handling this product must be grounded. A vapor suppressing foam may be used to reduce vapors. Do not touch or walk through spilled material. Contain spill, and then collect with non-combustible absorbent material (e.g., sand, earth, diatomaceous earth, vermiculate), and place in container for disposal according to local / national regulations. Use clean non-sparking tools to collect absorbed material.
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<b>Section 7. Handling and Storage</b>	
<b>Precautions for safe handling:</b>	Do not get on skin or in eyes. Do not inhale vapor or mist. Keep away from sources of ignition – No Smoking. Take measure to prevent the buildup of electrostatic charge. Open and handle container with care. Metal containers involved in the transfer of this material should be grounded and bonded. Wear suitable protective clothing. Keep away from oxidizing agents.
<b>Conditions for safe storage:</b>	Keep tightly closed, cool and away from flame. Protect containers against physical damage and light.
<b>Incompatibilities to avoid:</b>	Avoid oxidizing agents.

<b>Section 8. Exposure Controls and Personal Protection</b>	
<b>OSHA Permissible Exposure Limit (PEL):</b>	1000 ppm (1,900 mg/m <sup>3</sup> ) TWA (Ethanol)
<b>Threshold Limit Value (TLV):</b>	<b>1993-1994 ACGIH TLV:</b> 1000 ppm (1,880 mg/m <sup>3</sup> ) TWA (Ethanol)
<b>Other exposure limits:</b>	NIOSH REL: 1000 ppm (1,900 mg/m <sup>3</sup> ) TWA (Ethanol) LEL: 3.3% (10% LEL: 3,300 ppm) (Ethanol) Original (SCP) IDLH: 15,000 ppm (Ethanol) Revised IDLH: 3,300 ppm [LEL] (Ethanol)
<b>Engineering controls:</b>	General room or local exhaust ventilation is usually required. Electrical equipment should be grounded and conform to applicable electrical code.
<b>Personal protective equipment:</b>	<p><b>Respiratory Protection</b> As necessary, use full-face respirator with multi-purpose combination respirator cartridges as a backup to engineering controls (ventilation).</p> <p><b>Eye Protection</b> Use chemical safety goggles and/or a full face shield where splashing is possible. Use equipment approved by appropriate government standards. Maintain eye wash and quick-drench fountains in work area.</p> <p><b>Skin Protection</b> Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Wear other appropriate personal protective clothing to prevent skin contact. Immediately wash the skin when it becomes contaminated. Work clothing that becomes wet should be immediately removed due to its flammability hazard.</p>
<b>Other personal protection measures:</b>	Provide nearby eyewash station and safety shower.

<b>Section 9. Physical and Chemical Properties</b>	
<b>Appearance (physical state, color, etc.):</b>	Thin, clear to slightly pink liquid with alcoholic odor.
<b>Odor:</b>	Strong ethanol odor.
<b>Odor threshold:</b>	Data not available for this mixture.
<b>pH:</b>	Acidic
<b>Melting point / freezing point:</b>	Data not available for this mixture.
<b>Initial boiling point and boiling range:</b>	Data not available for this mixture.
<b>Flash point:</b>	Data not available for this mixture.
<b>Evaporation rate:</b>	Data not available for this mixture.
<b>Flammability</b>	Data not available for this mixture.
<b>Upper / lower flammability or explosive limits:</b>	Data not available for this mixture.
<b>Vapor Pressure:</b>	Data not available for this mixture.
<b>Vapor density:</b>	Data not available for this mixture.
<b>Relative density:</b>	Data not available for this mixture.
<b>Solubility:</b>	Very soluble in water.
<b>Partition coefficient: n-octanol/water:</b>	Data not available for this mixture.
<b>Auto-ignition temperature:</b>	363-426 °C / 685.4-798.8 °F (Ethanol)
<b>Decomposition temperature:</b>	Data not available for this mixture.
<b>Viscosity:</b>	Data not available for this mixture.

<b>Section 10. Stability and Reactivity</b>	
<b>Chemical stability:</b>	The product is stable.
<b>Possibility of hazardous reactions:</b>	Vapors may form explosive mixture with air. May react with oxidizing agents.
<b>Conditions to avoid (static, shock, vibration...)</b>	Protect containers against physical damage, heat, ignition sources, extreme temperatures, and direct sunlight.
<b>Incompatible materials:</b>	Alkali metals, ammonia, oxidizing agents, peroxides.
<b>Hazardous decomposition products:</b>	Carbon oxides formed during fire conditions.

<b>Section 11. Toxicological Information</b>	
<b>Routes of exposure:</b>	Ingestion, inhalation, skin and/or eye contact.
<b>Acute Symptoms (acute):</b>	<ul style="list-style-type: none"> <li>Inhalation: Irritating to respiratory system.</li> <li>Eye Contact: Transient pain, irritation, and reflex lid closure. A foreign-body sensation may persist for one to two days. Vapors produce transient stinging and tearing, but no apparent adverse effects. Causes eye irritation and temporary injury.</li> <li>Skin Contact: Irritating to the skin. May cause drying and cracking. It may be absorbed through the skin. If absorbed through the skin, it may affect the cardiovascular system (increase in pulse rate), liver, and metabolism (body temperature increase).</li> <li>Ingestion: May be harmful if swallowed in large amounts. Causes irritation of the gastrointestinal tract (nausea, vomiting abdominal pains). Ingestion of a sizable amount can cause "Salicylism" as evidenced by nausea, abdominal pain, vomiting, hyperpnea (increased deep breathing) or tachypnea (rapid shallow breaths), ringing in the ears/difficulty hearing, dimness of vision, sweating, thirst, skin eruptions, and alteration in the acid-base balance (metabolic acidosis). Severe salicylate intoxication may also affect behavior/central nervous system with symptoms such as muscle weakness, general depressed activity (somnia), sleepiness, tremor, confusion, dizziness, agitation, irritability, disorientation, slurred speech, ataxia, restlessness, hyperactivity, hallucinations, convulsions, central nervous system depression, coma. It may also affect the cardiovascular system (hypotension, increased or decreased heart rate, dysrhythmias), liver. Fatalities</li> </ul>

	<p>resulting from respiratory or cardiovascular failure are known. The mean lethal adult dose of salicylates is between 20 and 30 grams.</p>																
<b>Symptoms (chronic):</b> <b>Chronic effects from short and long term exposure:</b>	<ul style="list-style-type: none"> <li>• Ingestion: Central nervous system depression, narcosis, damage to heart. Prolonged ingestion of salicylic acid may cause kidney damage, liver damage, damage to stomach, involuntary shaking, anemia, internal bleeding, and other symptoms similar to acute ingestion. The pancreas may also be affected by prolonged ingestion of salicylic acid.</li> <li>• Inhalation: Not available</li> <li>• Skin: Prolonged or repeated skin contact may cause dermatitis, and dryness and cracking of the skin.</li> <li>• Eyes: Causes eye irritation and temporary injury.</li> <li>• Salicylic Acid may be mutagenic for bacteria and/or yeast.</li> <li>• Salicylic Acid: Classified reproductive system/toxin/female, Development toxin (Possible)</li> <li>• Salicylic Acid: May affect genetic material (mutagenic). May cause adverse reproductive effects and birth defects (teratogenic). Excreted in maternal milk in human.</li> </ul>																
<b>Numerical measures of toxicity (e.g., acute toxicity estimates):</b>	<p><b>Acute Toxicity (Ethanol):</b></p> <table border="1"> <tr> <td>LC50 (inhl)</td> <td>Rat</td> <td>20000 ppm</td> <td>10 hrs</td> </tr> <tr> <td>LC50 (oral)</td> <td>Rat</td> <td>7060 mg/Kg BWT</td> <td></td> </tr> <tr> <td>LDLo (oral)</td> <td>Human</td> <td>1400 mg/Kg BWT</td> <td></td> </tr> </table> <p><b>Acute Toxicity (Salicylic Acid):</b></p> <table border="1"> <tr> <td>LD50 (oral)</td> <td>Mouse</td> <td>480 mg/Kg</td> <td></td> </tr> </table>	LC50 (inhl)	Rat	20000 ppm	10 hrs	LC50 (oral)	Rat	7060 mg/Kg BWT		LDLo (oral)	Human	1400 mg/Kg BWT		LD50 (oral)	Mouse	480 mg/Kg	
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<b>NTP carcinogen:</b>	Known to be human carcinogen (Ethanol)																
<b>EPA carcinogen:</b>	Not available (Ethanol)																
<b>ACGIH carcinogen:</b>	A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans (Ethanol)																
<b>IARC potential carcinogen:</b>	Group 1 (Ethanol)																
<b>OSHA carcinogen:</b>	Present (Ethanol)																

<b>Section 12. Ecological Information (Non-mandatory)</b>	
<b>Ecotoxicity (aquatic and terrestrial, where available):</b>	<p>Acute Fish Toxicity (Ethanol)            LC50 / 96 HOUR Oncorhynchus mykiss (rainbow trout) &gt; 10,000 mg/l            LC50 / 96 HOUR Pimephales promelas (fathead minnow) &gt; 13,400 mg/l</p> <p>Toxicity to aquatic plants (Ethanol)            Growth inhibition / 96 HOURS Chlorella vulgaris (Fresh water algae) 1,000 mg/l</p> <p>Toxicity to microorganisms (Ethanol)            Toxicity Threshold / Pseudomonas putida 6,500 mg/l            Summary: Inhibition of cell multiplication begins.</p>
<b>Persistence and degradability:</b>	Ethanol: Biodegradation is expected.
<b>Bioaccumulative potential:</b>	Ethanol: Bioaccumulation is unlikely.
<b>Mobility in soil:</b>	Not available
<b>Other adverse effects:</b>	Not available

<b>Section 13. Disposal Considerations (Non-mandatory)</b>	
<b>Safe methods of disposal:</b>	Dispose of in accordance with federal, state and local environmental control regulations.

<b>Section 14. Transport Information (Non-mandatory)</b>	
<b>US DOT</b>	<b>UN number:</b> UN1170
<b>Class:</b> 3	<b>Packing Group:</b> II
<b>UN proper shipping name:</b>	Ethanol, Solutions
<b>Packing group, if applicable:</b>	II
<b>Environmental hazards (marine pollutant, etc...)</b>	Not available
<b>Special transport precautions:</b>	N/A

<b>Section 15. Regulatory Information (Non-mandatory)</b>	
<b>Specific safety, health, and environmental regulations:</b>	N/A

<b>Section 16. Other information</b>	
<b>Date of preparation or last revision:</b>	04-04-2023