SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name	Salicylic Acid 10% Solution
CAS number	See section 3
Synonyms	2 - hydroxybenzoic acid ; Benzoic acid , 2 - hydroxy-

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Laboratory Chemicals

1.3 Details of the supplier of the safety data sheet

Company	Lab Alley, LLC 12501 Pauls Valley Road Austin, Texas 78737 U.S.A.
Telephone	512-668-9918
Fax	512-886-4008

1.4 Emergency telephone

Emergency Phone #	US & Canada: 1-800-535-5053	INFOTRAC
	International 1-352-323-3500	INFOTRAC

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

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)

2.2 GHS Label elements, including precautionary statements

Pictogram

Signal Word: Danger

Hazard statements:
H225: Highly flammable liquid and vapor.
H302: Harmful if swallowed.
H318: Causes serious eye damage.

Precautionary statements:
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.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None identified.

SECTION 3: Composition/information on ingredients

3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Salicylic Acid	2 - hydroxybenzoic acid	69-72-7	10% w/v

Ethanol	Ethyl Alcohol Absolute	64-17-5	70% w/v
Water	-	7732-18-5	20%

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice Show this sheet to a doctor if medical advice is needed.

If inhaled Move the exposed person to fresh air at once. If symptoms continue, get medical attention. Give oxygen or artificial respiration as needed.

In case of skin contact Flush the contaminated skin with water promptly. Remove contaminated clothing and flush the skin with water promptly. Cover skin with emollient. Get medical attention.

In case of eye contact Check for and remove any contact lenses. 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 immediately.

If swallowed 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. Loosen tight clothing such as a collar, tie, belt or waistband.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

Treatment is largely symptomatic. Methods to rid the body rapidly of the Salicylic Acid should be undertaken. Absorption of the Salicylic Acid from the gastrointestinal tract can be reduced by gastric lavage, administration of activated charcoal, or a combination of these. If patient has acidosis, correction of blood pH is essential.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Dry chemical, CO2, water spray or alcohol-resistant foam.

Unsuitable extinguishing media None identified.

5.2 Specific hazards arising from the substance or mixture

Carbon monoxide is expected to be the primary hazardous combustion product. Static ignition hazard can results from handling and use. Vapors may travel to source of ignition and flash back. Vapors may settle in low or confined spaces.

5.3 Special protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Keep unopened containers cool by spraying with water. May product a floating fire hazard.

5.4 Further information

Flash Point No data available.

Autoignition Temperature 363-426 °C / 685.4-798.8 °F (Ethanol)

Explosion limits

Upper No data available.

Lower No data available.

Sensitivity to Mechanical Impact No data available.

Sensitivity to Static Discharge No data available.

NFPA

Health	Flammability	Instability	Physical hazards
2	1B	0	N/A

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not inhale vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

6.2 Environmental precautions

Stop leak / contain spill if possible and safe to do so. Prevent product from entering drains.

6.3 Methods and materials for containment and cleaning up

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 nonsparking tools to collect absorbed material.

6.4 Reference to other sections

Refer to protective measures listed in Sections 7 and 8. See section 13 for proper disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep tightly closed, cool and away from flame. Protect containers against physical damage and light.

Incompatibilities

Avoid oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1 Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Component	Type	Value
Ethanol	TWA	1000 ppm (1,900 mg/m3)

US. ACGIH Threshold Limit Values

Component	Type	Value
Ethanol	TWA	1000 ppm (1,880 mg/m3)

US. NIOSH: Pocket Guide to Chemical Hazards

Component	Type	Value
Ethanol	TWA	1000 ppm (1,900 mg/m3)

Biological occupational exposure limits

No information available.

8.2 Exposure controls

Appropriate engineering controls

General room or local exhaust ventilation is usually required. Electrical equipment should be grounded and conform to applicable electrical code.

Personal protective equipment

Eye/face protection

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.

Skin protection

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.

Body Protection

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.

Respiratory protection

As necessary, use full-face respirator with multi-purpose combination respirator cartridges as a backup to engineering controls (ventilation).

Control of environmental exposure

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Thin liquid
Appearance	Clear to slightly pink
Odor	Strong alcoholic odor
Odor Threshold	No information available
pH	Acidic
Melting Point/Range	No information available
Boiling Point/Range	No information available
Evaporation Rate	No information available
Flammability (solid)	No information available
Flammability or explosive limit	
Upper	No information available
Lower	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Density	No information available

Solubility	Very soluble in water
Partition coefficient; n-octanol/water	No information available
Autoignition Temp	363-426 °C / 685.4-798.8 °F (Ethanol)
Decomposition Temp	No information available
Viscosity	No information available
Molecular Formula	No information available
Molecular Weight	No information available
VOC Content(%)	No information available
Oxidizing properties	No information available

9.2 Other safety information

No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

The product is stable.

10.2 Chemical stability

The product is stable.

10.3 Possibility of hazardous reactions

Vapors may form explosive mixture with air. May react with oxidizing agents.

10.4 Conditions to avoid

Protect containers against physical damage, heat, ignition sources, extreme temperatures, and direct sunlight.

10.5 Incompatible materials

Alkali metals, ammonia, oxidizing agents, peroxides.

10.6 Hazardous decomposition products

Carbon oxides formed during fire conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product Information, Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation

Ethanol	Rat 7060 mg/Kg	-	Rat 20000 ppm 10 hrs
Salicylic Acid	Mouse 480 mg/Kg	-	-

Skin corrosion/irritation

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).

Serious eye damage/eye irritation

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.

Respiratory or skin sensitization

No information available.

Germ cell mutagenicity

Salicylic Acid may be mutagenic for bacteria and/or yeast.

Carcinogenicity

Component	CAS	IARC	NTP	ACGIH	OSHA	Mexico
Ethanol	64-17-5	Group 1	Known	A3	Listed	No info

Specific target organ toxicity - single exposure

None known.

Specific target organ toxicity - repeated exposure

None known.

Reproductive toxicity

Salicylic Acid: Classified reproductive system/toxin/female, Development toxin (Possible).

Chronic effects

No information available.

11.2 Additional Information

No information available.

SECTION 12: Ecological information

12.1 Toxicity

Acute Fish Toxicity (Ethanol)
LC50 / 96 HOUR Oncorhynchus mykiss (rainbow trout) > 10,000 mg/l
LC50 / 96 HOUR Pimephales promelas (fathead minnow) > 13,400 mg/l

Toxicity to aquatic plants (Ethanol)
Growth inhibition / 96 HOURS Chlorella vulgaris (Fresh water algae) 1,000 mg/l

Toxicity to microorganisms (Ethanol)
Toxicity Threshold / Pseudomonas putida 6,500 mg/l
Summary: Inhibition of cell multiplication begins.

12.2 Persistence and degradability
Ethanol: Biodegradation is expected.

12.3 Bio accumulative potential
Ethanol: Bioaccumulation is unlikely.

12.4 Mobility in soil
No information available.

12.5 Results of PBT and vPvB assessment
No information available.

12.6 Endocrine disrupting properties
No information available.

12.7 Other adverse effects
No information available.

SECTION 13: Disposal considerations

13.1 Waste Disposal Methods
Dispose of in accordance with federal, state and local environmental control regulations.

SECTION 14: Transport information

DOT (US)

UN Number	UN1170
Proper Shipping name	Ethanol, Solutions
Hazard Class	3
Packaging Group	II

IMDG

UN Number	UN1170
Proper Shipping name	Ethanol, Solutions

Hazard Class	3
Packaging Group	II

IATA

UN Number	UN1170
Proper Shipping name	Ethanol, Solutions
Hazard Class	3
Packaging Group	II

SECTION 15: Regulatory information

US federal regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not listed/applicable.

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed/applicable.

SARA 304 Emergency release notification
Not listed/applicable.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)
Not listed/applicable.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance
Not listed/applicable.

SARA 311/312 Hazardous
See Section 2 for more information.

SARA 313 (TRI reporting)
Not listed/applicable.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not listed/applicable.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not listed/applicable.

Safe Drinking Water Act

Not listed/applicable.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Listed, Ethanol (CAS #64-17-5).

US state regulations

US. Massachusetts RTK - Substance List

Listed, Ethanol (CAS #64-17-5).

US. New Jersey Worker and Community Right-to-Know Act

Listed, Ethanol (CAS #64-17-5).

US. Pennsylvania Worker and Community Right-to-Know Law

Listed, Ethanol (CAS #64-17-5).

California Proposition 65

Listed, Ethanol (CAS #64-17-5).

SECTION 16: Other information

Date of Issue: 6/17/2025

SECTION 17: Disclaimer

The information provided on this Safety Data Sheet 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 process, unless specified in the text.