

SAFETY DATA SHEET

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

1.1 Product identifiers

Product name	Salicylic Acid 20% in Acetone
CAS number	See Section 3
Synonyms	N/A

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

Identified uses	N/A
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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 Oral Toxicity	Category 4
Eye Irritant	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	Highly flammable liquid and vapor. Harmful if swallowed. Causes serious eye damage.
Precautionary statements	<p>Prevention: Keep away from heat/sparks/open flames/.../hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/.../ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice/attention. Continue rinsing.</p> <p>Fire: In case of fire, use dry chemical, alcohol foam, all purpose AFFF, carbon dioxide, or water spray for extinction.</p> <p>Storage: Store in a well-ventilated place. Keep cool.</p> <p>Disposal: Dispose of contents and container to an approved waste disposal plant.</p>

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

No information available.

SECTION 3: Composition/information on ingredients

3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Acetone	2-Propanone; Dimethyl ketone	67-64-1	60% - 70%
Salicylic acid	2-hydroxybenzoic acid; Benzoic acid	69-72-7	10% - 20%
Water	Aqua; H ₂ O	7732-18-5	1% - 20%

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

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

No information available.

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	SMALL FIRE: Dry chemical, CO ₂ , water spray, or alcohol-resistant foam. LARGE FIRE: Water spray, fog, or alcohol-resistant foam. Cool all affected containers with flooding quantities of water.
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Unsuitable extinguishing media	No information available.
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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 result 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 465 °C / 869 °F (Acetone)

Explosion limits

Upper No data available.

Lower No data available.

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information 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

See Section 2 for full list of hazard and precaution statements.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions on 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	
Acetone	(Vacated) TWA	750 ppm	1800 mg/m3
	(Vacated) STEL	1000 ppm	2400 mg/m3
	TWA	1000 ppm	2400 mg/m3

US. ACGIH Threshold Limit Values

Component	Type	Value
Acetone	TWA	250 ppm
	STEL	500 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Component	Type	Value	
Acetone	IDLH	2500 ppm	
	TWA	250 ppm	590 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. Provide nearby eyewash station and safety shower.

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.

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

No information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Thin, clear to slightly pink
Odor	Strong acetone odor
Odor Threshold	No data available
pH	Acidic
Melting Point/Range	No data available
Boiling Point/Range	No data available
Evaporation Rate	No data available
Flammability (solid)	Not applicable
Flammability or explosive limit	No data available
Upper	
Lower	
Vapor Pressure	No data available
Vapor Density	No data available
Density	No data available
Solubility	Very soluble in water

Partition coefficient; n-octanol/water	No data available
Autoignition Temp	465 °C / 869 °F (Acetone)
Decomposition Temp	No data available
Viscosity	No data available
Molecular Formula	N/A
Molecular Weight	N/A
VOC Content(%)	No data available
Oxidizing properties	No data available

9.2 Other safety information

No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

May react with oxidizing agents.

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
Acetone	5800 mg/kg (Rat)	> 7400 mg/kg (Rat)	76 mg/L (Rat) 4 h
Salicylic acid	891 mg/kg (Rat)	> 2 g/kg (Rat)	> 0.9 mg/L (Rat) 1 h

Skin corrosion/irritation

Irritating to the skin. May cause drying and cracking. It may be absorbed through the skin.

Serious eye damage/eye irritation

Causes eye irritation and temporary injury.

Respiratory or skin sensitization

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

Component	CAS	IARC	NTP	ACGIH	OSHA	Mexico
Acetone	67-64-1	Not listed	Not listed	Not listed	Not listed	Not listed
Salicylic acid	69-72-7	Not listed	Not listed	Not listed	Not listed	Not listed
Water	7732-18-5	Not listed	Not listed	Not listed	Not listed	Not listed

Specific target organ toxicity - single exposure

Acetone: Central nervous system (CNS).

Specific target organ toxicity - repeated exposure

No information available.

Reproductive toxicity

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

Chronic effects

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.

11.2 Additional Information

No information available.

SECTION 12: Ecological information

12.1 Toxicity

Product		Species	Test Results
Acetone	LC50	Oncorhynchus mykiss	5540 mg/l 96h
	LC50	Alburnus alburnus	11000 mg/l 96h
	LC50	Leuciscus idus	11300 mg/L/48h
	LC50	Salmo gairdneri	6100 mg/L/24h
Salicylic acid	EC50	Water Flea	105 mg/L/24h

12.2 Persistence and degradability

Persistence is unlikely based on information available.

12.3 Bio accumulative potential

No information available.

12.4 Mobility in soil

Will likely be mobile in the environment due to its water solubility.

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

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

SECTION 14: Transport information

DOT (US)

UN-No	UN1090
Proper Shipping Name	ACETONE SOLUTION
Hazard Class	3
Packing Group	II

IMDG

UN-No	UN1090
Proper Shipping Name	ACETONE SOLUTION
Hazard Class	3
Packing Group	II

IATA

UN-No	UN1090
Proper Shipping Name	ACETONE SOLUTION
Hazard Class	3
Packing Group	II

SECTION 15: Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

CERCLA Hazardous Substance List (40 CFR 302.4)
Listed, Acetone (CAS #67-64-1), RQ: 5000 lb.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)
Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
SARA 302 Extremely hazardous substance
Not listed.

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

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

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

Safe Drinking Water Act
Not regulated.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace
Listed, Acetone (CAS #67-64-1).

US state regulations

US. Massachusetts RTK - Substance List
Listed, Acetone (CAS #67-64-1).

US. New Jersey Worker and Community Right-to-Know Act
Listed, Acetone (CAS #67-64-1).

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

Listed, Acetone (CAS #67-64-1).

California Proposition 65

Not listed.

SECTION 16: Other information

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Revision 1: 01/22/2025

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.