

SAFETY DATA SHEET

SALICYLIC ACID USP

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Salicylic Acid USP
INCI Name: Salicylic Acid
CAS Number: 69-72-7

Company: YellowBee Packaging and Supplies Inc.
Address: #106, 2880 107 Ave SE
Calgary AB T2Z3R7
Phone: 587-578-3951

2. HAZARD IDENTIFICATION

Emergency Overview

Appearance

White crystalline powder.

Warning!

Causes severe eye irritation. Causes skin and respiratory tract irritation. May be harmful if swallowed. May cause central nervous system effects. Light sensitive. May cause reproductive and fetal effects.

Target Organs

Kidneys, central nervous system, pancreas.

Potential Health Effects

Eye

Causes severe eye irritation. May result in corneal injury.

Skin

Contact with skin causes irritation and possible burns, especially if the skin is wet or moist. If absorbed, may cause symptoms similar to those for ingestion. May cause skin rash and eruptions.

Ingestion

Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May cause "salicylism"; characterized by headache, dizziness, ringing in the ears, hearing difficulty, visual disturbances, mental confusion, drowsiness, sweating, thirst, hyperventilation, nausea, vomiting and diarrhea. May be harmful if swallowed. Severe salicylate intoxication may cause

central nervous system disturbances such as convulsions and coma, skin eruptions, and alteration in the acid-base balance.

Inhalation

Causes irritation of the mucous membrane and upper respiratory tract.

Chronic

May cause reproductive and fetal effects. Laboratory experiments have resulted in mutagenic effects. May cause salicylism with effects similar to those of skin absorption. May cause damage to the kidneys and pancreas.

3. COMPOSITION/INFORMATION ON INGREDIENTS

INCI NAME	CAS NO.	CONCENTRATION (%)
Salicylic acid	69-72-7	> 99

4. FIRST AID MEASURES**Eyes**

Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin

Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion

Call a poison control center. 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.

Inhalation

Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician

Follow with gastric lavage with activated charcoal. If available, administer ferric hexacyanoferrate as a gastrointestinal trapping agent. Persons with pre-existing skin disorders, eye problems, or impaired kidney function may be more susceptible to the effects of this substance.

5. FIRE FIGHTING MEASURES**General Information**

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Extinguishing Media



For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Water or foam may cause frothing. Use agent most appropriate to extinguish fire.

Flash Point

157 °C (314.60 °F)

Autoignition Temperature

535 °C (995.00 °F)

Explosion Limits, Lower

1.1 % @ 392F

Upper

Not available.

NFPA Rating: (estimated)

Health: 0; Flammability: 1; Instability: 0

6. ACCIDENTAL RELEASE MEASURES

General Information

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks

Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Remove all sources of ignition. Provide ventilation.

7. HANDLING AND STORAGE

Handling

Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

Storage

Keep away from sources of ignition. Do not store in direct sunlight. Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Salicylic acid	None listed	None listed	None listed

OSHA Vacated PELs

Salicylic acid

No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes

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.

Skin

Wear appropriate protective gloves to prevent skin exposure.

Clothing

Wear appropriate protective clothing to prevent skin exposure.

Respirators

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Crystalline powder.
Appearance	White.
Odor	Slight phenolic odor.
pH	2.4
Vapor Pressure	0.000082 mm Hg
Vapor Density	No data available.
Evaporation Rate	Negligible.
Viscosity	Not available.
Boiling Point	211 °C @ 20.00mm Hg
Freezing/Melting Point	158 - 160 °C
Thermal Decomposition	No data available.
Solubility	Soluble.
Specific Gravity/Density	1.4400g/cm ³
Molecular Formula	C ₇ H ₆ O ₃
Molecular Weight	138.12

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal temperatures and pressures. Moisture sensitive. Light sensitive. Darkens on exposure to light.

Conditions to Avoid

High temperatures, incompatible materials, light, moisture, strong oxidants.

Incompatibilities with Other Materials

Oxidizing agents, lead acetate, iron salts, alkalis, iodine, spirit nitrous ether.

Hazardous Decomposition Products

Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide.

Hazardous Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

RTECS#

CAS# 69-72-7: VO0525000

LD50/LC50:

CAS# 69-72-7:

Draize test, rabbit, eye: 100 mg Severe;
Draize test, rabbit, skin: 500 mg/24H Mild;

Inhalation, rat: LC50 = >900 mg/m³/1H;

Oral, mouse: LD50 = 480 mg/kg
Oral, rabbit: LD50 = 1300 mg/kg;
Oral, rat: LD50 = 891 mg/kg;

Skin, rabbit: LD50 = >10 gm/kg;
Skin, rat: LD50 = >2 gm/kg;

Carcinogenicity

CAS# 69-72-7: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

Epidemiology

No information found.

Teratogenicity

Oral, rat: TDLo = 1050 mg/kg (female 8-14 day(s) after conception) Specific Developmental Abnormalities - Central Nervous System and craniofacial (including nose and tongue) and musculoskeletal system.; Oral, rat: TDLo = 350 mg/kg (female 8-14 day(s) after conception)

Effects on Embryo or Fetus - extra-embryonic structures (e.g., placenta, umbilical cord).; Oral, mouse: TDLo = 1 gm/kg (female 17-day(s) after conception) Fertility - post-implantation mortality (e.g. dead and/or resorbed implants per total number of implants) and fetotoxicity (except death, e.g., stunted fetus).

Reproductive Effects

Oral, rat: TDLo = 1050 mg/kg (female 8-14 day(s) after conception)

Maternal Effects - uterus, cervix, vagina and Fertility - post-implantation mortality (e.g. dead and/or resorbed implants per total number of implants) and litter size (e.g. # fetuses per litter; measured before birth).; Oral, rat: TDLo = 40 mg/kg (female 20-21 day(s) after conception)
Maternal Effects - parturition.

Mutagenicity

Mutation in Microorganisms: *Saccharomyces cerevisiae* = 1 mmol/L/3H.; DNA Inhibition: Oral, mouse = 100 mg/kg.

Neurotoxicity

No information found.

IMDG



Not regulated.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Bacteria: *Phytobacterium phosphoreum*: EC50 = 214 mg/L; 5 min; Microtox test Adsorption, volatilization and bioconcentration are not expected to be important environmental fate processes. Biodegradation is expected to be the dominant removal mechanism from soil and water. It may also undergo photochemical degradation in sunlit environmental media.

Environmental

In air, it is expected to exist in both the vapor and particulate phase. Vapor phase reaction with photochemically produced hydroxyl radicals may be important (estimated half-life of 1.2 days). Removal by wet and dry deposition can also occur. BOD = 141%, 5 days.

Physical

Rapidly degrades to phenol when heated.

Other

Dangerous to aquatic life in high concentrations.

13. DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series

None listed.

RCRA U-Series

None listed.

14. TRANSPORT INFORMATION

	US DOT	Canada TDG
Shipping Name	Not regulated.	Not regulated.
Hazard Class	-	-
UN Number	-	-
Packing Group	-	-

IMDG

Not regulated.

15. REGULATORY INFORMATION



**US FEDERAL
TSCA**

CAS# 69-72-7 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 69-72-7: immediate, delayed.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 69-72-7 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Prop 65

No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols

XN

**Risk Phrases**

R 22 Harmful if swallowed. R 37/38 Irritating to respiratory system and skin. R 41 Risk of serious damage to eyes.

Safety Phrases

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39 Wear suitable gloves and eye/face protection.

WGK (Water Danger/Protection)

CAS# 69-72-7: 1

Canada - DSL/NDSL

CAS# 69-72-7 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of D2B. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

Canadian Ingredient Disclosure List

CAS# 69-72-7 is listed on the Canadian Ingredient Disclosure List

16. OTHER INFORMATION

The information provided above is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Although YellowBee Packaging and Supplies Inc. believes the above information to be accurate based on the information available to YellowBee, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from YellowBee meets their quality requirements and is appropriate for the use to which the product is to be put. Use and purchase of this material is subject to YellowBee Packaging and Supplies Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.

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