

Safety Data Sheet

Salicylic acid

Version : V2.0.0.1

Creation Date : 2022/08/08

Revision Date : 2022/08/08

*Prepared according to American OSHA HazCom Standard (2012)

1 Identification

Product identifier

Product Name	Salicylic acid
CAS No.	69-72-7
EC No.	200-712-3
Molecular Formula	C ₇ H ₆ O ₃

Recommended use of the product and restrictions on use

Relevant identified uses	Industrial use.
Uses advised against	No special instructions.

Details of the supplier of the Safety Data Sheet

Name of the company	JQC (Huayin) Pharmaceutical Co., Ltd
Address of the company	Yuquan Road, Huayin City, Shaanxi Province, China
Post code	—
Telephone number	+86-913-4356999
Fax number	—
E-mail address	—

Emergency phone number

Emergency phone number	+86-15909134578
------------------------	-----------------

2 Hazard(s) identification

Hazard classification according to GHS

Acute Toxicity – Oral	Category 4
Eye Damage/Irritation	Category 1
Reproductive Toxicity	Category 2

GHS Label elements

Hazard pictograms



Signal word

Danger

Hazard statements

H302	Harmful if swallowed
H318	Causes serious eye damage

华阴市锦和制药有限公司
JQC (Huayin) Pharmaceutical Co., Ltd

受控文件

H361 | Suspected of damaging fertility or the unborn child

Precautionary statements

◆ Prevention

P264 | Wash hands and other parts of the body (if related) thoroughly after handling.
 P270 | Do not eat, drink or smoke when using this product.
 P280 | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

◆ Response

P330 | Rinse mouth.
 P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

◆ Storage

P405 | Store locked up.

◆ Disposal

P501 | Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

| Not applicable.

Hazard description

◆ Physical and chemical hazards

| No information available

◆ Health hazards

Inhaled | Cough. Sore throat(see Ingestion).
 Ingestion | Nausea. Vomiting. Ear ringing.
 Skin Contact | Redness.
 Eye | Redness. Pain.

◆ Environmental hazards

| Please refer to 12th chapter of SDS.

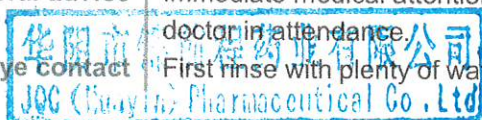
3 Composition/information on ingredients**Substance/mixture**

| Substance

Component	CAS No.	EC No.	Concentration (wt, %)
Salicylic acid	69-72-7	200-712-3	≥ 98

4 First-aid measures**Description of first aid measures**

General advice | Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
 Eye Contact | First rinse with plenty of water for several minutes (remove contact lenses if easily



受控文件

	possible), then take to a doctor.
Skin contact	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Ingestion	Rinse mouth. Induce vomiting (ONLY IN CONSCIOUS PERSONS!). Refer for medical attention.
Inhalation	Fresh air , rest. Refer for medical attention.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

Most important symptoms/effects, acute and delayed

- 1 Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

Indication of any immediate medical attention and special treatment needed

- 1 Treat symptomatically.
- 2 Symptoms may be delayed.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing media	Use extinguishing media suitable for surrounding area.
Unsuitable extinguishing media	There is no restriction on the type of extinguisher which may be used.

Specific hazards arising from the substance or mixture

- 1 Development of hazardous combustion gases or vapor possible in the event of fire.

Special protective equipment and precautions for fire-fighters

- 1 As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
- 2 Fight fire from a safe distance, with adequate cover.
- 3 Prevent fire extinguishing water from contaminating surface water or the ground water system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

- 1 Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
- 2 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- 3 Use personal protective equipment, do not breathe dust/fume.

Environmental precautions

- 1 Prevent further leakage or spillage if safe to do so.
- 2 Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

- 1 Cut off the source of the leak as much as possible.
- 2 Keep leaks in a ventilated place.
- 3 Isolation of contaminated areas and restrictions on access.
- 4 It is recommended that emergency personnel wear dust masks.
- 5 Collect the spill with a clean shovel and place it in a clean, dry, loosely closed container and move the container away from the leak.

华阴市锦程药业有限公司
JOC (Huayin) Pharmaceutical Co., Ltd

受控文件

- 6 Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

7 Handling and storage

Precautions for safe handling

- 1 Handling is performed in a well ventilated place.
- 2 Wear suitable protective equipment.
- 3 Avoid contact with skin and eyes.
- 4 Keep away from heat/sparks/open flames/ hot surfaces.

Conditions for safe storage, including any incompatibilities

- 1 Keep containers tightly closed.
- 2 Keep containers in a dry, cool and well-ventilated place.
- 3 Keep away from heat/sparks/open flames/hot surfaces.
- 4 Store away from incompatible materials and foodstuff containers.

8 Exposure controls/personal protection

Control parameters

Occupational Exposure limit values | No relevant regulations

◆ Biological limit values

Biological limit values | No relevant regulations

◆ Monitoring methods

- 1 EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
- 2 GBZ/T 300 series standard Determination of toxic substances in workplace air.

Engineering controls

- 1 Ensure adequate ventilation, especially in confined areas.
- 2 Ensure that eyewash stations and safety showers are close to the workstation location.
- 3 Set up emergency exit and necessary risk-elimination area.
- 4 Handle in accordance with good industrial hygiene and safety practice.

Personal protection equipment

General requirement



Eye protection | Must wear appropriate anti-corrosion goggles.

Hand protection | Must wear acid and alkali resistant chemical protective gloves.

Respiratory protection | Must wear appropriate personal respiratory protective equipment.

Skin and body protection | Must wear acid and alkali resistant chemical protective clothing.

9 Physical and chemical properties and safety characteristics

Physical and chemical properties

华阴市锦前程药业有限公司
JQC (Huayin) Pharmaceutical Co., Ltd

受控文件

Appearance	White solid
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/freezing point(°C)	159
Initial boiling point and boiling range(°C)	211
Flash point(Closed cup, °C)	157
Evaporation rate	Not applicable
Flammability	Not flammable
Upper/lower explosive limits[%(v/v)]	Upper limit : No information available ; Lower limit : 1.1
Vapor pressure	114Pa (130°C)
Vapor density(Air = 1)	4.8
Relative density(Water=1)	1.4
Solubility	Partly miscible with water
n-octanol/water partition coefficient	2.2
Auto-ignition temperature(°C)	540
Decomposition temperature(°C)	No information available
Viscosity	Not applicable

10 Stability and reactivity

Stability and reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	No information available.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	No information available.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

Acute toxicity

Component	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
Salicylic acid	891mg/kg(Rat)	> 2000 mg/kg(Rabbit)	0.9 mg/l/1h

Carcinogenicity

Component	List of carcinogens by the IARC	Report on Carcinogens by NTP
Salicylic acid	Monographs Not Listed	Not Listed

Others

Salicylic acid(Component)

Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Causes serious eye damage(Category 1)
Skin sensitization	Based on available data, the classification criteria are not met
Respiratory sensitization	Based on available data, the classification criteria are not met
Reproductive toxicity	Suspected of damaging fertility or the unborn child(Category 2)
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Reproductive toxicity(additional)	Based on available data, the classification criteria are not met

12 Ecological information**| Acute aquatic toxicity**

Component	Fish	Crustaceans	Algae
Salicylic acid	LC ₅₀ : 1380mg/L (96h)(Fish)	EC ₅₀ : 870mg/L (48h)(Daphnia magna)	ErC ₅₀ : >100mg/L (72h)(Chlorella vulgaris)

| Chronic aquatic toxicity

Component	Fish	Crustaceans	Algae
Salicylic acid	No information available	NOEC : 34mg/L(Daphnia magna)	NOEC : 31mg/L(Chlorella vulgaris)

| Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Salicylic acid	Low	Low

| Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Salicylic acid	Medium	BCF=1000

| Mobility in soil

Component	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (Koc)
Salicylic acid	Low	23.96

| Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
Salicylic acid	Not PBT/vPvB

13 Disposal considerations

华阴市锦前程药业有限公司
JQC (Huayin) Pharmaceutical Co., Ltd

受控文件

Disposal considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section waste chemicals and contaminated packaging.

14 Transport information**Label**

Transporting Label	Not applicable
--------------------	----------------

IMDG-CODE

IMDG-CODE	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
-----------	------------------------------------------------

ICAO/IATA-DG

IATA-DGR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
----------	------------------------------------------------

UN-ADR

UN-ADR	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
--------	------------------------------------------------

15 Regulatory information**International chemical inventory**

Component	EC inventory	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AIICS	ENCS
Salicylic acid	√	√	√	√	√	√	√	√	√

[EC inventory]	European Inventory of Existing Commercial Chemical Substances
[TSCA]	United States Toxic Substances Control Act Inventory
[DSL]	Canadian Domestic Substances List
[IECSC]	China Inventory of Existing Chemical Substances
[NZIoC]	New Zealand Inventory of Chemicals
[PICCS]	Philippines Inventory of Chemicals and Chemical Substances
[KECI]	Korea Existing Chemicals Inventory
[AIICS]	Australian. Inventory of Industrial Chemical (AIICS)
[ENCS]	Japan Inventory of Existing & New Chemical Substances

Note:

- "√" Indicates that the substance included in the regulations.
- "x" No data or not included in the regulations.

16 Other information**Information on revision**

Creation Date	2022/08/08
Revision Date	2022/08/08
Reason for revision	

华阴市锦前程药业有限公司
JQC (Huayin) Pharmaceutical Co., Ltd

Reference

- [1] IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.
- [2] IARC, website: <http://www.iarc.fr/>.
- [3] OECD: The Global Portal to Information on Chemical Substances, website: <https://www.echemportal.org/echemportal/substancesearch/index.action>.
- [4] CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.
- [5] NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.
- [6] EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.
- [7] U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.
- [8] Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG	International Maritime Dangerous Goods
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC ₅₀	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD ₅₀	Lethal Dose 50%	NTP	National Toxicology Program
EC ₅₀	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC _x	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
P _{ow}	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor		

Disclaimer

This Safety Data Sheet (SDS) was prepared according to OSHA HazCom Standard (2012). The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

华英医药集团有限公司
HQC (Huayin) Pharmaceutical Co., Ltd.