

Infosafe No™ 1CH5V Issue Date : August 2021 RE-ISSUED by CHEMSUPP

Product Name **SALICYLIC ACID**

Classified as hazardous

## 1. Identification

**GHS Product Identifier** SALICYLIC ACID

**Company Name** CHEMSUPPLY AUSTRALIA PTY LTD (ABN 19 008 264 211)

**Address** 38 - 50 Bedford Street GILLMAN  
SA 5013 Australia

**Telephone/Fax Number** Tel: (08) 8440-2000

**Emergency phone number** CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

**E-mail Address** www.chemsupply.com.au

**Recommended use of the chemical and restrictions on use** Manufacture of aspirin and salicylates; analgesics; other analgesics/antipyretics; fungicide; topical preparations such as transdermal patches, gels, ointments, liquids, creams or plasters for the treatment of psoriasis, warts, corns and other keratinous disorders such as dandruff, ichthyosis and psoriasis; resins; dyestuff intermediate; prevulcanization inhibitor; analytical reagent and laboratory reagent.

**Other Names**

<u>Name</u>	<u>Product Code</u>
SALICYLIC ACID AR	SA036
2-Hydroxybenzoic acid	
o-Hydroxybenzoic acid	

### Other Information

ChemSupply Australia Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon ChemSupply Australia Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of ChemSupply Australia Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

## 2. Hazard Identification

**GHS classification of the substance/mixture** Eye Damage/Irritation: Category 1  
Acute Toxicity - Oral: Category 4

**Signal Word (s)** DANGER

**Hazard Statement (s)** H302 Harmful if swallowed.  
H318 Causes serious eye damage.

**Pictogram (s)** Corrosion, Exclamation mark



**Precautionary statement – Prevention** P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement – Response** P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P330 Rinse mouth.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

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**Precautionary statement – Disposal**

Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER or doctor/physician.  
 P501 Dispose of contents/container to an approved waste disposal plant.

**3. Composition/information on ingredients**

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Salicylic Acid	69-72-7	100 %

**4. First-aid measures**

<b>Inhalation</b>	If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
<b>Ingestion</b>	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek immediate medical advice.
<b>Skin</b>	Wash affected areas with copious quantities of water. Remove contaminated clothing and wash before re-use. If rapid recovery does not occur, obtain medical attention
<b>Eye contact</b>	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention.
<b>First Aid Facilities</b>	Maintain eyewash fountain and drench facilities in work area.
<b>Advice to Doctor</b>	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
<b>Other Information</b>	For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

**5. Fire-fighting measures**

<b>Hazards from Combustion Products</b>	Toxic and irritating gases and vapours, phenol and carbon oxides.
<b>Specific Methods</b>	Small fire: Use dry chemical, CO <sub>2</sub> , water spray or foam. Large fire: Use water spray, fog or foam. If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out.
<b>Specific hazards arising from the chemical</b>	May burn but do not ignite readily. Runoff may pollute waterways. Fire may produce irritating, poisonous and/or corrosive fumes and hazardous combustion gases or vapours. Containers may explode when heated. Dust may form explosive mixture in air.
<b>Precautions in connection with Fire</b>	Wear SCBA and structural firefighter's uniform.

**6. Accidental release measures**

<b>Personal Precautions</b>	Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.
<b>Personal Protection</b>	Wear protective clothing specified for normal operations (see Section 8)
<b>Clean-up Methods - Small Spillages</b>	Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

**7. Handling and storage**

<b>Precautions for Safe Handling</b>	Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Wear suitable protective clothing. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Minimize dust generation and accumulation. Ensure good ventilation at the workplace. Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, moisture. Keep away from heat and all sources of ignition. Protect against physical damage and light. Employ grounding, venting and explosion relief provisions in accord with accepted engineering practices
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**Conditions for safe storage, including any incompatibilities** in any process capable of generating dust and/or static electricity. Empty only into inert or non-flammable atmosphere. Emptying contents into a non-inert atmosphere where flammable vapours may be present could cause a flash fire or explosion due to electrostatic discharge. Empty containers pose a fire risk, evaporate the residue under a fume hood.

**Storage Temperatures** Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Keep away from any source of heat or ignition. Store in the dark. Store in light resistant containers. Store away from oxidizing agents. Store away from water/moisture. Protect from humidity and water. Do not store together with alkalies (caustic solutions). Store under lock and key and with access restricted to technical experts or their assistants only.

**Unsuitable Materials** Do not store above 23 °C. Store at room temperature (15 to 23 °C recommended).  
Iron.

## 8. Exposure controls/personal protection

**Other Exposure Information** A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Safe Work Australia for this product. There is a blanket limit of 10 mg/m<sup>3</sup> for dusts when limits have not otherwise been established. These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

**Appropriate engineering controls** Maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.

**Respiratory Protection** Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

**Eye Protection** The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

**Hand Protection** Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments. Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Dispose of gloves as hazardous waste.

**Personal Protective Equipment** Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.

**Footwear** Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.

**Body Protection** Flame retardant antistatic protective clothing. Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.

**Hygiene Measures** Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

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## 9. Physical and chemical properties

<b>Form</b>	Solid
<b>Appearance</b>	White crystalline powder.
<b>Odour</b>	Odourless or slight phenolic odour.
<b>Melting Point</b>	157 - 161 °C
<b>Boiling Point</b>	211°C (27 hPa)
<b>Solubility in Water</b>	Slightly soluble (1 g/460 ml).
<b>Solubility in Organic Solvents</b>	Soluble in acetone, oil of turpentine, alcohol, ether, chloroform, glycerol, carbon tetrachloride and benzene. Slightly soluble in toluene.
<b>Specific Gravity</b>	1.443 @ 20 °C
<b>Solubility in Fat</b>	Soluble in fats or oils (~ 1 g/80 ml).
<b>pH</b>	pH 2.4 (saturated solution).
<b>Vapour Pressure</b>	<1.0 mm Hg @ 114 °C
<b>Vapour Density (Air=1)</b>	4.8
<b>Evaporation Rate</b>	<1 (Butylacetate =1)
<b>Volatile Component</b>	0 %vol @ 21 °C
<b>Partition Coefficient: n-octanol/water</b>	Log P (o/w): 2.26
<b>Flash Point</b>	157 °C (CC)
<b>Flammability</b>	Combustible.
<b>Auto-Ignition Temperature</b>	535 - 545 °C
<b>Flammable Limits - Lower</b>	1.1 % @ 200 °C
<b>Explosion Properties</b>	Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
<b>Molecular Weight</b>	138.12
<b>Other Information</b>	Sweetish acrid taste. Sublimes @ 76 °C; when rapidly heated at atmospheric pressure it decomposes into phenol and carbon dioxide.

## 10. Stability and reactivity

<b>Chemical Stability</b>	Stable under ordinary conditions of use and storage. Darkens on exposure to air or light.
<b>Conditions to Avoid</b>	Water/moisture, light, heat, sparks, flames, or other sources of ignition, excessive dust generation, dust-air mixtures and incompatibles.
<b>Incompatible Materials</b>	Oxidizing agents, acids, bases, iodine, lead acetate, water, iron and iron-containing compounds, spirit nitrous ether and fluorine.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, phenol and other toxic fumes.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. Toxicological Information

<b>Toxicology Information</b>	No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. If mishandled or overexposed to this product the following symptoms or effects may occur.
<b>Acute Toxicity - Oral</b>	LD50 (rat): 891 mg/kg.

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<b>Acute Toxicity - Dermal</b>	LD50 (rat): >2000 gm/kg.
<b>Ingestion</b>	Harmful if swallowed. Causes gastrointestinal irritation with nausea, vomiting and diarrhoea. Ingestion of sizable amounts can cause 'salicylism'; characterized by headache, dizziness, ringing in the ears, hearing difficulty, visual disturbances, mental confusion, drowsiness, sweating thirst, hyperventilation, abdominal pain, nausea, vomiting and diarrhoea. 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. Fatalities resulting from respiratory or cardiovascular failure are known.
<b>Inhalation</b>	Causes irritation of the mucous membrane and upper respiratory tract due to its acidic character. Coughing, sneezing, and shortness of breath may occur.
<b>Skin</b>	Contact with skin causes irritation and possible burns, especially if the skin is wet or moist. May cause excessive drying, irritation, skin rash and eruptions in sensitive individuals. Readily absorbed from the skin and may induce toxicity (salicylism).
<b>Eye</b>	Causes serious eye damage. May result in corneal injury.
<b>Respiratory sensitisation</b>	Not classified based on available information.
<b>Skin Sensitisation</b>	Not classified based on available information.
<b>Germ cell mutagenicity</b>	Not classified based on available information.
<b>Carcinogenicity</b>	Not listed in the IARC Monographs. Not classified based on available information.
<b>Reproductive Toxicity</b>	Not classified based on available information.
<b>STOT-single exposure</b>	Not classified based on available information.
<b>STOT-repeated exposure</b>	Not classified based on available information.
<b>Chronic Effects</b>	May cause salicylism with effects similar to those of skin absorption. Chronic ingestion results in damage of the gastrointestinal tract. Central nervous system disturbances such as rapid breathing, confusion and even convulsions may develop. Kidneys and pancreas can be adversely affected by prolonged ingestion.
<b>Serious eye damage/irritation</b>	Eye Damage/Irritation: Category 1 H318 Causes serious eye damage.

## 12. Ecological information

<b>Ecological Information</b>	No ecological problems are to be expected when the product is handled and used with due care and attention.
<b>Persistence and degradability</b>	Biodegradability: expected to readily biodegrade; 90%/4 d. BOD5: 0.95 g/g; BOD 41 % of ThOD /5 d; COD 100 % of ThOD; ThOD: 1.623 g/g.
<b>Environmental Fate</b>	Behaviour in environmental compartments: Distribution: log P(o/w): 2.26
<b>Bioaccumulative Potential</b>	No appreciable bioaccumulation potential is to be expected (log P(o/w) 1-3).
<b>Acute Toxicity - Daphnia</b>	EC50 (Daphnia magna): 380 mg/l /48 h.

## 13. Disposal considerations

<b>Disposal Considerations</b>	Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.
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## 14. Transport information

<b>Transport Information</b>	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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## 15. Regulatory information

<b>Regulatory Information</b>	All the constituents of this product are listed on the Australian Inventory of Chemical Substances ( AICS ), or exempted. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
<b>Poisons Schedule</b>	Not Scheduled

## 16. Other Information

<b>Literature References</b>	'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.' Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand. Safe Work Australia, 'Hazardous Chemical Information System'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'. Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.
<b>Contact Person/Point</b>	Paul McCarthy Ph. (08) 8440 2000 <b>DISCLAIMER STATEMENT:</b> All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. ChemSupply Australia Pty Ltd accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives.
<b>Empirical Formula &amp; Structural Formula</b>	Empirical Formula: C7H6O3. Structural Formula: 2-(HO)C6H4CO2H.  ...End Of MSDS...

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