



PRODUCT SPECIFICATION

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|-------------------------|-----------------------|
| Product Name | Salicylic Acid |
| Alternative Name | O-hydroxybenzoic Acid |
| Product Grade | Pharma BP/Ph Eur |
| Specification Reference | SAAC/4 (16/03/SKIH) |

SALES SPECIFICATION

| | |
|--------------------------------|--------------------------|
| Test | Results |
| Appearance | White crystalline powder |
| Identity by IR | Meets the requirement |
| Identity by salicylate test | Conform |
| Appearance of solution test | Solution is clear |
| Initial Melting Point Range °C | 158.0 – 161.0 |
| Purity | 99.0 – 100.5% w/w |
| Chlorides | Max 100 ppm |
| Sulphate | Max 300 ppm |
| Heavy Metals | Max 20 ppm |
| Loss on Drying | Max 0.50% |
| Related Substances | |
| Phenol | Max 0.05% |

NOTES

Exclusion of Liability

Information contained in this publication is accurate to the best of the knowledge and belief of APT.

Any information or advice obtained from otherwise than by means of this publication and whether relating to materials or other materials, is also given in good faith. However, it remains at all times the responsibility of the customer to ensure that APT materials are suitable for the particular purpose intended.

APT accepts no liability whatsoever (except as otherwise provided by law) arising out of the use of information supplied, the application, adaptation or processing of the products described herein, the use of other materials in lieu of materials or the use of materials in conjunction with such other materials.

Health and Safety

A Material Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on the handling precautions and emergency procedures. This must be consulted fully before handling, storage and use.



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1 Product Identifier

| | |
|---------------------------|------------------------|
| Product Name | Salicylic Acid |
| Synonyms | O-HYDROXY-BENZOIC ACID |
| CAS Number | 69-72-7 |
| EINECS Number | 200-712-3 |
| HMRC Tariff Number | 291821000 |
| REACH Registration Number | 05-2114106373-61-xxxx |

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

| | |
|----------------------|---------------------------|
| Identified use(s) | Pharmaceuticals. Cosmetic |
| Uses advised against | No information provided |

1.3 Details of the supplier of the safety data sheet

The Soap Kitchen
 Unit 8 Caddsdwn Industrial Park, Clovelly Road, Bideford,
 Devon EX39 3DX
 Tel: 01237 420872 (+44 (0)1237 420872)
 Email: it@thesoapkitchen.co.uk

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Regulation 1272/2008 (CLP)

Physical and Chemical Hazards Not classified.
 Human health Acute Tox. 4 - H302; Eye Dam. 1 - H318
 Environment Not classified.

2.1.2 EEC Directive 67/548/EEC & Directive 1999/45/EC

Xn; R22. Xi; R41.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2 Label elements

2.2.1 According to Regulation (EC) No. 1272/2008 (CLP).

Hazard Pictogram



Signal word(s) Danger.

Hazard statement(s)

H302: Harmful if swallowed
 H318: Causes serious eye damage.

Precautionary statement(s)

P270: Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P264 Wash contaminated skin thoroughly after handling.
 P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P501 Dispose to licensed waste disposal site in accordance with local Waste Disposal Authority.

Supplementary Precautionary Statements

P280: Wear protective gloves/protective clothing/eye protection/face protection
 P310 Immediately call a POISON CENTRE or doctor/physician.
 P330 Rinse mouth.



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| <p>2.3. Other hazards Not classified as PBT/vPvB by current EU criteria</p> | | | | | | | | |
| <p>3. COMPOSITION/INFORMATION ON INGREDIENTS</p> | | | | | | | | |
| <p>Substances</p> <table border="0"> <tr> <td>Product name</td> <td>SALICYLIC ACID</td> </tr> <tr> <td>REACH Registration number</td> <td>05-2114106373-61-xxxx</td> </tr> <tr> <td>CAS-No.</td> <td>69-72-7</td> </tr> <tr> <td>EC No.</td> <td>200-712-3</td> </tr> </table> | Product name | SALICYLIC ACID | REACH Registration number | 05-2114106373-61-xxxx | CAS-No. | 69-72-7 | EC No. | 200-712-3 |
| Product name | SALICYLIC ACID | | | | | | | |
| REACH Registration number | 05-2114106373-61-xxxx | | | | | | | |
| CAS-No. | 69-72-7 | | | | | | | |
| EC No. | 200-712-3 | | | | | | | |
| <p>4. FIRST AID MEASURES</p> | | | | | | | | |
| <p>4.1 Description of first aid measures</p> | | | | | | | | |
| <p>General Advice In case of accident or if you feel unwell, seek medical advice immediately (show label where possible). Get medical attention if any discomfort continues. Wash skin thoroughly with soap and water for several minutes. Get medical attention if irritation persists after washing.</p> | | | | | | | | |
| <p>Inhalation Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering 100% oxygen. Contact physician if discomfort continues.</p> | | | | | | | | |
| <p>Skin contact Wash skin thoroughly with soap and water for several minutes. Get medical attention if irritation persists after washing.</p> | | | | | | | | |
| <p>Eye contact Remove victim immediately from source of exposure. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.</p> | | | | | | | | |
| <p>Ingestion Immediately rinse mouth and provide fresh air. Drink plenty of water. Never give liquid to an unconscious person. Get medical attention immediately!</p> | | | | | | | | |
| <p>4.2 Most important symptoms and effects, both acute and delayed Inhalation: Upper respiratory irritation. Ingestion: Harmful if swallowed. May cause stomach pain or vomiting. May cause discomfort if swallowed. Skin contact: May cause slight skin irritation. Eye contact: May cause severe irritation to eyes.</p> | | | | | | | | |
| <p>4.3 Indication of any immediate medical attention and special treatment needed No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!</p> | | | | | | | | |
| <p>5. FIRE FIGHTING MEASURES</p> | | | | | | | | |
| <p>5.1 Extinguishing Media Suitable extinguishing media: Water spray. Foam. Powder.</p> | | | | | | | | |
| <p>5.2 Special hazards arising from the substance or mixture High concentrations of dust may form explosive mixture with air. Specific hazards: In case of fire, toxic gases may be formed.</p> | | | | | | | | |
| <p>5.3 Advice for fire-fighters Cool containers exposed to flames with water until well after the fire is out. Avoid water in straight hose stream; will scatter and spread fire. Protective equipment for fire-fighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire</p> | | | | | | | | |
| <p>6. ACCIDENTAL RELEASE MEASURES</p> | | | | | | | | |
| <p>6.1 Personal precautions, protective equipment and emergency procedures Warn everybody of potential hazards and evacuate if necessary. Avoid generating excess dust. In case of inadequate ventilation, use respiratory protection. Do not smoke, use open fire or other sources of ignition.</p> | | | | | | | | |
| <p>6.2 Environmental precautions Collect and dispose of spillage as indicated in section 13. Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.</p> | | | | | | | | |
| <p>6.3 Methods and material for containment and cleaning up Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. Ventilate well. Avoid dust formation. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container.</p> | | | | | | | | |
| <p>6.4 Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. See section 11 for additional information on health hazards. Collect and dispose of spillage as indicated in section 13.</p> | | | | | | | | |



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| 7. HANDLING AND STORAGE | | | | |
| 7.1 Precautions for safe handling | | | | |
| Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Avoid contact with skin and eyes. Wear full protective clothing for prolonged exposure and/or high concentrations. If ventilation is insufficient, suitable respiratory protection must be provided. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. | | | | |
| 7.2 Conditions for safe storage, including any incompatibilities | | | | |
| Store in tightly closed original container in a dry, cool and well-ventilated place. Do not store near heat sources or expose to high temperatures. Protect from freezing and direct sunlight. Avoid contact with oxidising agents. Store isolated from reducing agents. Avoid contact with acids. | | | | |
| 7.3 Specific end use(s) | | | | |
| The identified uses for this product are detailed in Section 1.2. | | | | |
| 8. EXPOSURE CONTROLS/PERSONAL PROTECTION | | | | |
| 8.1 Control parameters | | | | |
| Ingredient comments: No exposure limits for ingredients | | | | |
| DN(M)EL/PNEC | | | | |
| DN(M)EL's | | | | |
| Professional | Inhalation. | Short Term | Local Effects | 3 mg/m ³ |
| Professional | Dermal | Long Term | Systemic Effects | 2 mg/kg/day |
| Professional | Inhalation. | Long Term | Systemic Effects | 16 mg/m ³ |
| Professional | Inhalation. | Long Term | Local Effects | 1 mg/m ³ |
| Consumer | Oral | Short Term | Systemic Effects | 4 mg/kg/day |
| Consumer | Dermal | Long Term | Systemic Effects | 1 mg/kg/day |
| Consumer | Inhalation. | Long Term | Systemic Effects | 4 mg/m ³ |
| Consumer | Oral | Long Term | Systemic Effects | 1 mg/kg/day |
| Consumer | Inhalation. | Long Term | Local Effects | 0.2 mg/m ³ |
| Predicted No Effect Concentrations (PNEC): | | | | |
| PNEC | | | | |
| Freshwater | 0.2 | mg/l | | |
| Marine water | 0.020 | mg/l | | |
| Sediment (Freshwater) | 1.42 | mg/kg | | |
| Sediment (Marine water) | 0.14 | mg/kg | | |
| Soil | 0.17 | mg/kg | | |
| STP | 162 | mg/l | | |
| 8.2 Exposure controls | | | | |
| Appropriate engineering controls | | | | |
| No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation. | | | | |
| Respiratory protection | | | | |
| If ventilation is insufficient, suitable respiratory protection must be provided. Use specified dust masks. | | | | |
| Hand protection | | | | |
| Chemical resistant gloves required for prolonged or repeated contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. | | | | |
| Eye protection | | | | |
| Wear approved chemical safety goggles where eye exposure is reasonably probable. | | | | |
| Other protection | | | | |
| Provide eyewash station and safety shower. | | | | |
| Skin Protection | | | | |
| Wear apron or protective clothing in case of contact. | | | | |
| Hygiene Measures | | | | |
| When using do not eat, drink or smoke. Wash promptly if skin becomes wet or contaminated. Wash hands at the end of each work shift and before eating, smoking and using the toilet. | | | | |



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| 9. PHYSICAL AND CHEMICAL PROPERTIES | |
| 9.1 Information on basic physical and chemical properties | |
| Appearance | Crystalline powder |
| Colour | White |
| Odour | Slight |
| Initial Boiling Point/Boiling Range | 211@ 760 hPa |
| Melting Point | 158 – 160°C |
| Vapour Pressure | 1 mm Hg @ 113.7°C |
| Solubility Value (g/100g H ₂ O@20°C) | 02 g/l @ 20°C |
| Flash Point | 157 CC (closed cup) |
| Auto Ignition Temperature | 540°C |
| Flammability Limit – Lower | 1.1% |
| Flammability Limit - Upper | not available |
| Partition Coefficient (N-Octanol/Water) | 2 |
| 9.2 Other information | |
| Not available | |
| 10. STABILITY AND REACTIVITY | |
| 10.1 Reactivity | |
| No specific reactivity hazards associated with this product. | |
| 10.2 Chemical stability | |
| Stable under normal temperature conditions and recommended use. | |
| 10.3 Possibility of hazardous reactions | |
| Risk of dust explosion. Hazardous Polymerisation: Not relevant | |
| 10.4 Conditions to avoid | |
| Avoid heat, flames and other sources of ignition. Avoid dust close to ignition sources. | |
| 10.5 Incompatible materials | |
| Materials To Avoid: Strong alkalis. Strong oxidising substances. Strong reducing agents. | |
| 10.6 Hazardous decomposition products | |
| Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. | |
| 11. TOXICOLOGICAL INFORMATION | |
| 11.1 Information on toxicological effects | |
| Toxic Dose 1 - LD 50 891 mg/kg (oral rat) Toxic Dose 2 - LD 50 2250 mg/kg (oral-mouse) Other Health Effects This substance has no evidence of carcinogenic properties. | |
| Acute Toxicity | |
| Acute Toxicity (Dermal LD50) >2000 mg/kg Rabbit Acute Toxicity (Inhalation LC50) >0.9 mg/l (dust/mist) Rat 1 hour | |
| Skin corrosion/irritation | |
| Slightly irritating. | |
| Serious eye damage/irritation | |
| Causes serious eye damage. | |
| Respiratory or skin sensitisation | |
| Not sensitising | |
| Germ cell mutagenicity | |
| This substance has no evidence of mutagenic properties. This substance has no evidence of mutagenic properties. | |
| Genotoxicity in vitro | |
| This substance has no evidence of carcinogenic properties | |



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| <p>Reproductive toxicity Reproductive Toxicity - Fertility NOAEL 80 mg/kg Oral Rat Reproductive Toxicity - Development Teratogenicity: NOAEL 50 mg/kg Oral Rat</p> |
| <p>Specific target organ toxicity - single exposure: Not classified as a specific target organ toxicant after a single exposure. Specific target organ toxicity - repeated exposure: STOT - Repeated exposure NOAEL 45, 4 mg/kg Oral Rat Inhalation May cause irritation to the respiratory system. Ingestion Harmful if swallowed. May cause stomach pain or vomiting. May cause discomfort if swallowed. Skin contact Slightly irritating. Eye contact May cause severe irritation to eyes.</p> |
| <p>12. ECOLOGICAL INFORMATION</p> |
| <p>Ecotoxicity The product is not expected to be hazardous to the environment</p> |
| <p>12.1 Toxicity LC50 96h Fish 1370 – 2160 mg/l EC50 48h Daphnia 870 mg/l (24h) IC50 72h Algae >100 mg/l Acute toxicity – Microorganisms: Not available Chronic toxicity – Aquatic Invertebrates: NOEC 21 days 10 mg/l Daphnia magna</p> |
| <p>12.2 Persistence and degradability Degradability: The product is biodegradable Biodegradation: Degradation (100%) 14 days</p> |
| <p>12.3 Bio accumulative potential Bioaccumulative potential The product is not bioaccumulating. Partition coefficient: log Pow 2</p> |
| <p>12.4 Mobility in soil No information available</p> |
| <p>12.5 Results of PBT and vPvB assessment Not Classified as PBT/vPvB by current EU criteria.</p> |
| <p>12.6 Other adverse effects None known</p> |
| <p>13. DISPOSAL CONSIDERATIONS</p> |
| <p>General information: Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority</p> |
| <p>13.1 Waste treatment methods Dispose of waste and residues in accordance with local authority requirements</p> |
| <p>14. TRANSPORT INFORMATION</p> |
| <p>This product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID)</p> |
| <p>15. REGULATORY INFORMATION</p> |
| <p>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</p> |
| <p>UK Regulatory References Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations. Statutory Instruments The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health. Approved Code Of Practice Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. Guidance Notes Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).</p> |



EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

National Regulations

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.
Workplace Exposure Limits 2005 (EH40)
Health and Safety at Work Act (As Amended) 1974
Control of Substances Hazardous to Health Regulations 2002 (as amended)

15.2 Chemical safety assessment

No chemical safety assessment has been carried out

16. OTHER INFORMATION

Full text of R Phrases

R22: Harmful if swallowed
R41: Risk of serious damage to eyes

Full text of H-Statements

H302: Harmful if swallowed
H318: Causes serious eye damage

Source of key data used to compile the data sheet

Supplier information

Modifications from last revision

The Specification has been revised. The Safety Data Sheet remains the same.

Date: 15/03/16