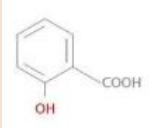


# AKÖMA™

## FROM THE HEART



### Material Safety Data Sheet

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

<b>Product Identification</b>	
<b>Product Name</b>	Salicylic acid
<b>EC# :</b>	200-712-3
<b>CAS# :</b>	69-72-7
<b>Synonym :</b>	o-Hydroxybenzoic acid Phenol-2-carboxylic acid
<b>REACH Pre Registration number :</b>	05-2115151514-54-0000
<b>Chemical Formula :</b>	C7H6O3
<b>INCI name :</b>	SALICYLIC ACID
<b>Structure:</b>	
<b>Relevant identified uses of the substances or mixture and used advised against</b>	
<b>Recommended use :</b>	Used as laboratory reagent, intermediates, Used for separation of salt, manufacturing of resin, Used in cleaning agents and in cosmetic products formulations
<b>Recommended restrictions :</b>	None known
<b>Details of the supplier of the safety data sheet</b>	
<b>Company Address</b>	Akoma International (UK) Limited Unit 9A Sawley Park Nottingham Road
	Derby DE21 6AS Tel: +44 (0) 1332 613 967
<b>Email</b>	technical@akoma.biz
<b>Details of the supplier of the safety data sheet</b>	
<b>Emergency Contacts</b>	Mr. Wynn Mensah – Tel: 01332 613 967

## Section 2 - HAZARDS IDENTIFICATION

### Classification of substance or mixture according to Regulation (EC) No 1272/2008 (CLP)

<b>Hazard Class and Categories and codes :</b>	Hazard Class and Categories and codes :
<b>Hazard statement Code(s) :</b>	H302 H318
<b>Labeling according to Regulation (EC) No 1272/2008 (CLP)</b>	
<b>Hazard Pictogram/Signal word:</b>	Signal word: Danger     GHS05 Corrosion                      GHS07 Exclamation mark
<b>Hazard Statements:</b>	H302: Harmful if swallowed. H318: Causes serious eye damage.
<b>Precautionary Statements:</b>	P264: Wash thoroughly after handling with water P270: Do not eat, drink or smoke when using this product. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P330: Rinse mouth. P501: Dispose of contents/container to licensed facility
<b>Other hazards</b>	Not known

## Section 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Constituent	CAS No.	EC No.	Typical Concentration	Concentration range	Remarks
salicylic acid	69-72-7	200-712-3	99.5 % (w/w)	> 99.0 - ≤ 99.5 % (w/w)	-
Impurities	CAS No.	EC No.	Typical Concentration	Concentration range	Remarks
-	-	-	-	-	-

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## Section 4 - FIRST AID MEASURES

### Description of First Aid measures:

<b>General measures :</b>	First-aider must protect himself. Place affected clothing in a sealed bag for subsequent decontamination.
<b>Eye contact :</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get immediate medical advise/attention
<b>Skin Contact :</b>	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water
<b>Inhalation :</b>	Move to fresh air. Consult a physician after significant exposure
<b>Ingestion :</b>	Do NOT induce vomiting. Do not give anything to drink.

### Most important symptoms and effects, both acute and delayed

No symptoms known currently.

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## Section 5 - FIRE-FIGHTING MEASURES

### Extinguishing media:

Suitable extinguishing media: Water spray. Foam.  
Powder. Unsuitable extinguishing media: None known.

### Special hazards arising from the substance or mixture Risks of dust explosion.

### Advice for fire-fighters

Special protective equipment for firefighters: Special protective equipment for fire-fighters. Self contained breathing apparatus (EN 133).  
Specific fire fighting methods: Cool containers / tanks with water spray

## Section 6 - ACCIDENTAL RELEASE MEASURES

### . Personal precautions, protective equipment and emergency procedures:

<b>Personal Protective Equipment :</b>	Avoid contact with the skin and the eyes. Do not breathe dust. For further information refer to section "Exposure controls / personal protection". Wear proof-boots. Mark the contaminated with signs and prevent access to unauthorized personnel. Signal word. Stop leaking if safe to do so.
<b>Skin Protection :</b>	Use personal protective equipment
<b>Respiratory Protection :</b>	No personal respiratory protective equipment normally required
<b>Work Practices:</b>	Avoid contact with skin. When using, do not eat, drink or smoke

### Environmental precautions:

Do not allow uncontrolled discharge of product into the environment.

### Methods and material for containment and cleaning:

**Recovery:** Keep in suitable, closed containers for disposal.

**Decontamination/Cleaning:** Decontaminate and wash the floor with: Sodium hydroxide (2 to 5%).

**Wash off with plenty of water.**

**Disposal:** Treat recovered material as described in the section "Disposal considerations".

## Section 7 - HANDLING AND STORAGE

### Precautions for safe handling

#### ☒ Technical measures:

**Electrical bonding of pneumatic conveyor. Earth the equipment.  
Blanket with inert gas.**

#### ☒ Advice on safe handling and usage:

**Protect from moisture.  
Avoid dust formation.  
Avoid contact with water.  
Provide adequate ventilation.**

### Conditions for safe storage:

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**Protect against light.**  
**Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed and dry.**  
**Packaging: Store in original container. Flexible container lined with a plastic film. Paper bag lined with a plastic film. Packaging materials:**  
**Recommended: Stainless steel. Plastic materials (polyethylene, polypropylene).**  
**Not suitable: Certain plastic materials. Steel.**

**Specific end use(s):**

**As mention in section 1.**

## Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters:

Contains no substances with occupational exposure limit values

### Exposure Control:

Engineering measures:	Avoid splashes. Maintain air concentrations below occupational exposure standards. Extract at emission point.
Respiratory Protection:	In case of dust or aerosol formation use respirator with an approved filter.
Hand Protection:	The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also, takes into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves must be inspected prior to use.
Eye protection:	Safety glasses. In case of contact through splashing: wear face-shield and protective suit.
Skin protection:	Protective equipment must be chosen according to the amount and concentration of the dangerous substance at the workplace. Remove and wash contaminated clothing.
Hygiene measures :	Emergency equipment immediately accessible, with instructions for use. Ensure that eyewash stations and safety showers are close to the workstation location. Use clean, well-maintained personal protective equipment. Store personal protective equipment in a clean location away from the work area. Shower or bathe at the end of working. Regular cleaning of equipment, work area and clothing.

	When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks, immediately after handling the product and at the end of the day
<b>Protective measures:</b>	Protective equipment must be chosen according to current CEN standards and in cooperation with the supplier of protective equipment. Selection of personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential risks during use.

## Section 9 – PHYSICAL & CHEMICAL PROPERTIES:

### Information on basic physical and chemical properties:

<b>Appearance :</b>	white or almost white, crystalline powder or white or colourless, acicular crystals
<b>Odor :</b>	Not available
<b>Odor threshold :</b>	Not available
<b>pH :</b>	Not available
<b>Melting point/Freezing point :</b>	158 °C and 161°C
<b>Initial boiling point and boiling range:</b>	211 °C (412 °F) - lit.
<b>Flash Points :</b>	157 °C (315 °F) - closed cup
<b>Evaporation rate :</b>	Not available
<b>Flammability (solid, gas) :</b>	Not available
<b>Upper/lower flammability or explosive limits:</b>	lower explosive limit 1.1 %(V)
<b>Vapour pressure :</b>	1 hPa (1 mmHg) at 114 °C (237 °F)
<b>Vapour density :</b>	Not available
<b>Relative density :</b>	1.443 (Water = 1)
<b>Solubility(ies) :</b>	Slightly soluble in water, freely soluble in ethanol (96 per cent), sparingly soluble in methylene chloride
<b>Partition coefficient:n-octanol/water :</b>	og Pow: 2.21

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Auto-Ignition Temperature :	Not available
Decomposition temperature :	Not available
Viscosity :	Not available
Explosive properties :	No
Oxidising properties :	No
Other information : Not available	

## Section 10 – STABILITY AND REACTIVITY

Reactivity :	No dangerous reaction known under conditions of normal use.
Chemical stability :	Stable under recommended storage conditions.
Possibility of hazardous reactions :	No hazardous reactions when stored and handled according to prescribed instructions
Conditions to avoid :	Risk of dust ignition in air at concentrations greater than 30 g/m3. Decomposes on heating.
Hazardous decomposition products :	At high temperatures releases flammable vapours. On combustion or on thermal decomposition (pyrolysis) releases toxic vapours (Carbon oxides (CO + CO2)).(Phenol).
Incompatible materials :	Alkalis and caustic products. Oxidizing materials.

## Section 11 - TOXICOLOGICAL INFORMATION

No hazard identified		
Information on toxicological effects:		
Toxicity	Effect level	Acute Dermal toxicity
Species	Rat	Rat
Effect level	LD50 - 891 mg/kg bw	LD50 - > 2000 mg/kg bw
Irritation Corrosion:		
Eye: Highly irritating Skin: Not irritating		

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**Sensitization**

<b>Skin: Not sensitizing</b>	
<b>CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)</b>	
Carcinogenicity :	Non-carcinogenic
Mutagenic effects :	Not mutagenic
Reprotoxic effects :	Not found to be reprotoxic.
<b>Other toxic effects on humans:</b>	
Inhalation :	No hazard identified
Eyes :	No hazard identified
Ingestion :	Harmful if swallowed
Chronic toxicity :	No hazard identified
<b>NIOSH Immediately Dangerous To Life or Health Concentration (IDLH):</b>	
No information available	
<b>Specific target organ toxicity:</b>	
Single exposure :	No experimental or epidemiological sufficient evidence for specific target organ toxicity
Repeated exposure : N	No experimental or epidemiological sufficient evidence for specific target organ toxicity

**Section 12 - ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>			
Substance name	Toxicity	Duration	Endpoint with Effective conc. :
	Short term toxicity to fish: (Test organism ,species: Leuciscus idus)	-	LC50: 90 mg/L

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salicylic acid	Short-term toxicity to aquatic invertebrates (Test organism: species: Daphnia magna )	48hr	EC50 : 1060 mg/L
	Toxicity to aquatic algae and cyanobacteria: (Test organism,species: Desmodesmus subspicatus)	72 hr	EC50: > 100 mg/L
	Toxicity to microorganisms	17 hr	EC10 : 465 mg/L
	(Test organism,species: Pseudomonas putida)		
<b>Persistence and degradability:</b>			
The substance is readily biodegradable			
<b>Bioaccumulative potential:</b>			
The substance was not B/vB. As its log Kow < 4.5			
<b>Mobility in soil:</b>			
Data not available			
<b>Results of PBT and vPvB assessment:</b>			
The substance is not PBT / vPvB			
<b>Other adverse effects:</b>			
None			

### Section 13 – DISPOSAL CONSIDERATIONS:

<b>Disposal of product:</b>	Do not let product enter drains.
<b>Disposal of Packaging:</b>	Completely empty the packaging prior to decontamination. Incinerate bags and flexible containers. Dispose off in accordance with local regulations.

### Section 14 - TRANSPORT INFORMATION

The product does not classified hazardous to transport as per Land transport (ADR/RID), Marine transport (IMDG), Air transport ICAO/IATA, and Department of Transportation (DOT).	
<b>UN Number :</b>	Not regulated. Not classified as dangerous in the meaning of transport regulations

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<b>UN proper shipping name :</b>	Not regulated. Not classified as dangerous in the meaning of transport regulations
<b>Transport hazard class :</b>	Not regulated. Not classified as dangerous in the meaning of transport regulations
<b>Packing group :</b>	Not regulated. Not classified as dangerous in the meaning of transport regulations
<b>Environmental hazards :</b>	Not regulated. Not classified as dangerous in the meaning of transport regulations

## Section 15 - REGULATORY INFORMATION

### Other regulatory information:

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture No data available.

#### Inventory Status:

Listed in: US(TSCA), Europe (EINECS), New Zealand (NZIoC), Philippines (PICCS), Canada(DSL), China (IECSC), Australia (AICS), Japan (ENCS).

#### HMIS (Hazardous Materials Identification system) classification

<b>Health</b>	<b>2</b>
<b>Fire</b>	<b>1</b>
<b>Physical Hazard</b>	<b>0</b>
<b>Personal Protection</b>	<b>D</b>

2= Temporary or minor injury may occur.

1 = Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 °F. (Class IIIB).

0= Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.



#### NFPA : (National Fire Protection Association)

<b>Health</b>	<b>2</b>
<b>Fire</b>	<b>1</b>
<b>Reactivity</b>	<b>0</b>

2 = Intense or continued but not chronic exposure could cause temporary incapacitation or possible residual injury

1 = Materials that require considerable preheating, under all ambient temperature conditions, before ignition and combustion can occur (e.g. mineral oil). Includes some finely divided suspended solids that do not require heating before ignition can occur. Flash point at or above 93 °C (200 °F).

0=Normally stable, even under fire exposure conditions, and are not reactive with water.

#### Chemical Safety Assessment:

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A chemical safety assessment has been carried out for the substance or the mixture by the supplier (LR)- No

## SECTION 16: Other Information

### Technical Advice:

Use data given in this Safety Data Sheet and make an inventory list of all chemicals used in the factory

Create a Register for Workplace Chemicals;

Set priorities concerning the safety in the organization

Create emergency plans for the assessed hazards;

Organize occupational health care and regular surveys as necessary;

Organize contacts with authorities/laboratories to create a monitoring system for chemical hazards, and to reliably measure and/or estimate occupational exposures to chemicals when needed;

Start collecting case studies of accidents and sickness records in the enterprise to create a basis for priority measures in the control of hazards;

Involve workers in safety organizations, such as the system of Safety Representatives and Committees.

Do regular inspection using checklists made for the particular chemicals and chemical processes in use;

Mark and label all chemicals;

Keep at hand an inventory list of all chemicals handled in the place of work together with a collection of Chemical Safety Data Sheets for these chemicals;

Train workers to read and understand the Chemical Safety Information, including the health hazards and routes of exposure; train them to handle dangerous chemicals and processes with respect;

Plan, develop and choose the safe working procedures

Reduce the number of people coming into contact with dangerous chemicals;

Reduce the length of time and/or frequency of exposure of workers to dangerous chemicals;

Train workers to know and understand the emergency procedures;

Equip and train workers to use personal protective equipment properly after everything possible has been done to eliminate hazards by means of other methods;

### List of relevant R phrases:

R22 - Harmful if swallowed

R41 - Risk of serious damage to eyes

Q.C. REQUIREMENTS. In-line with general product specification. Always satisfy suitability for specific application.

### Disclaimer.

*The data provided in this material safety data sheet is meant to represent typical data/analysis for this product and is correct to the best of our knowledge. The data was obtained from current and reliable sources, but is supplied without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product, and to assume liability for loss, injury, damage or expense arising from improper use of this product. The information provided does not constitute a contract to supply to any specification, or for any given application, and buyers should seek to verify their requirements and product use.*

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