



CERTIFICATE OF ANALYSIS

Product Name	SALICYLIC ACID
Chemical Name	SALICYLIC ACID USP
Batch No.	4464108

Best Before Date March 2025

TEST	SPECIFICATIONS	RESULTS
Description	White crystals, usually in fine needles, or fluffy, white, crystalline powder.	Complies
Odor	Similar in character and intensity to standard, practically odorless to slight "sharp" odor.	Complies
Solubility	Freely soluble in alcohol and in ether; soluble in boiling water; sparingly soluble in chloroform; slightly soluble in water and in benzene.	Complies
Identification	A. By Infrared absorption: The IR spectrum of sample should correspond to that of the Standard Spectrum of USP Salicylic acid RS. B. By HPLC Assay: The retention time of the major peak of the Sample solution corresponds to that of the Standard solution, as obtained in the Assay.	Complies Complies
Organic impurities	Salicylic acid Related compound A: NMT 0.1% Salicylic acid Related compound B: NMT 0.05% Salicylic acid Related compound C: NMT 0.02% Any other individual impurity: NMT 0.05% Total impurities: NMT 0.2%	0.009% 0.001% Not detected Not detected 0.010%
Residue on ignition	Not more than 0.05%	0.03%
Chlorides	NMT 0.014%	< 0.014%
Sulphates	NMT 0.02%	< 0.02%
Loss on Drying	NMT 0.5%	0.19%
Assay	NLT 98.0% and NMT 102.0%	100.1%

Remark: The above batch complies with the prescribed standards of quality as per USP Standard.



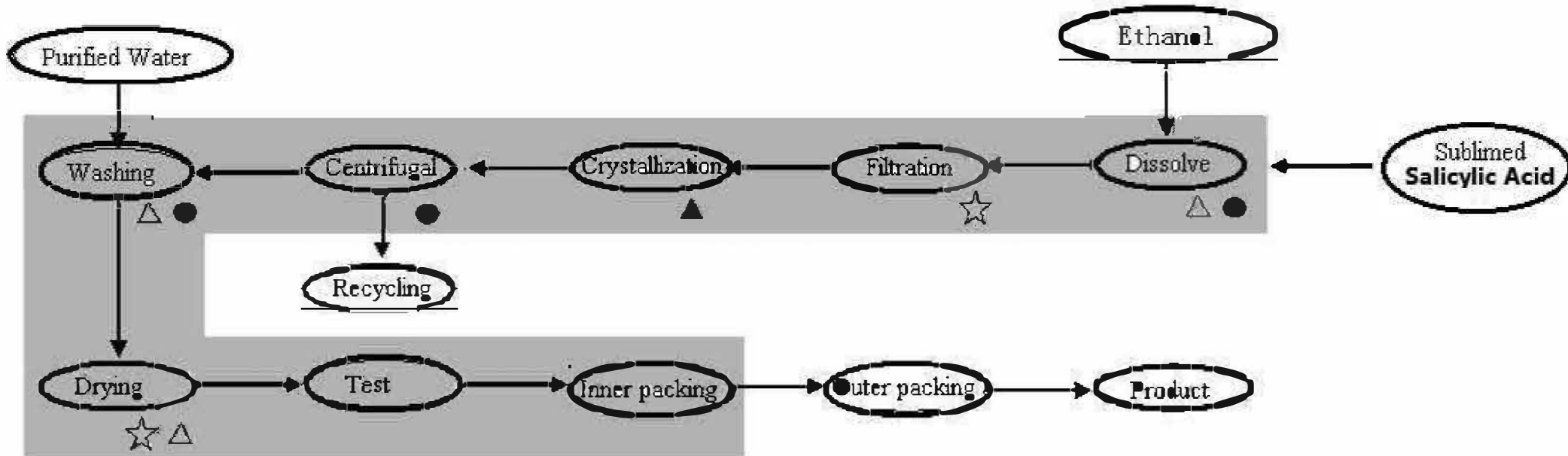
March 6, 2012

Allergen Statement

We, certify that there are no food allergens used during the whole manufacturing process and no raw materials are used which are derived from the following:

- milk
- egg
- fish
- Crustacean shellfish
- Tree nuts
- Wheat
- Peanuts
- Soybeans

Flow Chart of Salicylic Acid



100,000 Grade
 Temperature Control
 Vacuum Control
 Time Control



GMO Statement

PRODUCT NAME: SALICYLIC ACID

MADAR Corporation Limited can confirm that the above listed product is GMO Free.

Vegetarian & Vegan Suitability Statement

MADAR Corporation Limited can confirm that the above listed product to the best of our knowledge has not been tested in animals and does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.

Palm Statement

MADAR Corporation Limited can confirm that the above listed product to the best of our knowledge does not contain any palm oil or palm kernel oil.

11/10/19



STATEMENT

DATE: APR 5, 2014

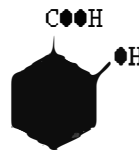
**WE HEREBY DECLARED THAT THE ORIGIN OF OUR
SALICYLIC ACID (BP& EP) IS SYNTHETIC.**

Technical Data Sheet

Document No.: **STP-43-007-03**

Product Name:	Salicylic acid
Other Name:	2-hydroxybenzenecarboxylic acid
Molecular Formula:	C ₇ H ₆ O ₃
Formula Weight:	138.2
CAS No.:	69-72-7

Structure



Specification		The Current Ph.Eur. Product
Items	Specification	Method
Characters	A white, crystalline powder or white or colourless, acicular crystals, slightly soluble in water, freely soluble in ethanol (96 per cent), sparingly soluble in methylene chloride.	Ph.Eur
Identification	A. Melting point 158 °C to 161 °C B. The IR spectrum of sample complies with Salicylic acid CRS C. Positive	Ph.Eur(2.2.14):
Appearance of solution	Solution is clear and colourless	Ph.Eur(2.2.1) (2.2.2)
Related substances	Impurity A: 4-hydroxybenzoic acid ≤ 0.1%	Ph.Eur(2.2.29)
	Impurity B: 4-hydroxyisophthalic acid ≤ 0.05%	
	Impurity C: Phenol ≤ 0.02%	
	Any other impurities ≤ 0.05%	
	Total impurities ≤ 0.2%	
Chloride	NMT 100ppm	Ph.Eur(2.4.4)
Sulfate	NMT 200ppm	Ph.Eur
Heavy metals	NMT 20ppm	Ph.Eur(2.4.8)
Loss on drying	NMT 0.5%	Ph.Eur(2.2.32)
Sulphated ash	NMT 0.1%	Ph.Eur(2.4.14)



GMP Certificated

Assay (dried substance)

Contains $C_7H_6O_3$ 99.0%-100.5%

Ph.Eur

STORAGE:

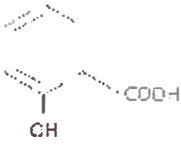
Protected from light.

Safety Data Sheet

SALICYLIC ACID USP

Section 1 - IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

1.1 Product identifier :

Σ Substance Name :	Salicylic acid USP
Σ EC# :	200-712-3
Σ CAS# :	69-72-7
Σ Synonym :	o-Hydroxybenzoic acid Phenol-2-carboxylic acid
Σ REACH Pre Registration number :	05-2115151514-54-0000
Σ Chemical Formula :	C ₇ H ₆ O ₃
Σ INCI name :	SALICYLIC ACID
Σ Structure:	

1.2 Relevant identified uses of the substances or mixture and used advised against

Σ Recommended use :	Used as laboratory reagent, intermediates, Used for separation of salt, manufacturing of resin, Used in cleaning agents and in cosmetic products formulations
Σ Recommended restrictions :	None known

1.3 Details of supplier of the safety data sheet :




Σ Supplier Details:	Madar Coporation Limited 19 - 20 Sandleheath Industrial Estate, Fordingbridge, SP6 1PA

1.4 Emergency Telephone:

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Safety Data Sheet

SALICYLIC ACID USP

Section 2 - HAZARDS IDENTIFICATION	
2.1 Classification of substance or mixture according to Regulation (EC) No 1272/2008 (CLP)	
∑ Hazard Class and Categories and codes	Acute oral toxicity category 4 Eye damage category 1 Reproductive Toxicity category 2
∑ Hazard statement Code(s)	H302 H318 H361d
2.2 Labeling according to Regulation (EC) No 1272/2008 (CLP)	
∑ Hazard Pictogram/Signal word:	Signal word: Danger <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  GHS08 Health Hazards </div> <div style="text-align: center;">  GHS05 Corrosion </div> <div style="text-align: center;">  GHS07 Exclamation mark </div> </div>
∑ Hazard Statements: ∑ Precautionary Statements:	H302: Harmful if swallowed. H318: Causes serious eye damage. H361d: Suspected of damaging the unborn child. 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. P308 + P313: If exposed or concerned: Get medical advice / attention.
2.3. Other hazards	Not known

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Safety Data Sheet

SALICYLIC ACID USP

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)	> 98.0 - ≤ 102 % (w/w)	-

Section 4 - FIRST AID MEASURES

4.1 Description of First Aid measures:

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

4.2. Most important symptoms and effects, both acute and delayed

∑	No symptoms known currently.
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4.3. Indication of any immediate medical attention and special treatment needed

∑	Treat symptomatically.
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Section 5 - FIRE-FIGHTING MEASURES

5.1. Extinguishing media:

Suitable extinguishing media: Water spray. Foam. Powder.

Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

Risks of dust explosion.

5.3. 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.

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Safety Data Sheet

SALICYLIC ACID USP

Section 6 - ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Σ Personal Protective Equipment :	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.
Σ Skin Protection	Use personal protective equipment
Σ Respiratory Protection	No personal respiratory protective equipment normally required
Σ Work Practices:	Avoid contact with skin. When using, do not eat, drink or smoke.

6.2. Environmental precautions:

Σ Do not allow uncontrolled discharge of product into the environment.

6.3. Methods and material for containment and cleaning:

Σ Recovery: Keep in suitable, closed containers for disposal.
Σ Decontamination/Cleaning: Decontaminate and wash the floor with: Sodium hydroxide (2 to 5%). Wash off with plenty of water.
Σ Disposal: Treat recovered material as described in the section "Disposal considerations".

Section 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

Σ Technical measures: Electrical bonding of pneumatic conveyor. Earth the equipment. Blanket with inert gas.
Σ Advice on safe handling and usage: Protect from moisture. Avoid dust formation. Avoid contact with water. Provide adequate ventilation.

7.2 Conditions for safe storage:

Σ Protect against light.
Σ Keep away from open flames, hot surfaces and sources of ignition.
Σ Keep container tightly closed and dry.
Σ Packaging: Store in original container. Flexible container lined with a plastic film. Paper bag lined with a plastic film.
Σ Packaging materials:

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SALICYLIC ACID USP

Recommended: Stainless steel. Plastic materials (polyethylene, polypropylene).
Not suitable: Certain plastic materials. Steel.

7.3 Specific end use(s):

As mention in section 1.2.

Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

∑ Contains no substances with occupational exposure limit values.

8.2 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.
∑ Protective measures:	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

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task(s) to be performed, conditions present, duration of use, and the hazards and/or potential risks during use.

Section 9 – PHYSICAL & CHEMICAL PROPERTIES:

9.1 Information on basic physical and chemical properties:

∑ Appearance :	White Crystals, usually in fine needle, or fluffy, white, crystalline powder.
∑ Odor :	Odorless
∑ Odor threshold :	Not available
∑ pH :	Not available
∑ Melting point/Freezing point :	158 °C and 161°C
∑ Initial boiling point and boiling range:	211 °C (412 °F) - lit.
∑ Flash Points :	157 °C (315 °F) - closed cup
∑ Evaporation rate :	Not available
∑ Flammability (solid, gas) :	Not available
∑ Upper/lower flammability or explosive limits:	lower explosive limit 1.1 %(V)
∑ Vapour pressure :	1 hPa (1 mmHg) at 114 °C (237 °F)
∑ Vapour density :	Not available
∑ Relative density :	1.443 (Water = 1)
∑ Solubility(ies) :	Freely soluble in alcohol and in ether; soluble in boiling water; sparingly soluble in chloroform slightly soluble in water and in benzene.
∑ Partition coefficient:n-octanol/water :	log Pow: 2.21
∑ Auto-Ignition Temperature :	Not available
∑ Decomposition temperture	Not available
∑ Viscosity :	Not available
∑ Explosive properties :	No
∑ Oxidising properties :	No

9.2 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

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SALICYLIC ACID USP

	prescribed instructions		
∑ Conditions to avoid	Risk of dust ignition in air at concentrations greater than 30 g/m ³ . 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 + CO ₂)), (Phenol).		
Incompatible materials	Alkalis and caustic products. Oxidizing materials.		
Section 11 - TOXICOLOGICAL INFORMATION			
∑ No hazard identified			
11.1 Information on toxicological effects:			
∑ Toxicity	Acute Oral toxicity	Acute Dermal toxicity	Acute Inhalation toxicity
∑ Species	Rat	Rat	Rat
∑ Effect level	LD50 - 891 mg/kg	LD50 > 2000 mg/kg	LCL0 > 700 mg/M ³ Exposure duration- 7 hr
11.2 Irritation Corrosion:			
∑ Eye:	Highly irritating		
∑ Skin:	Not irritating		
11.3 Sensitization			
∑ Skin:	Not sensitizing		
11.4 CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)			
∑ Carcinogenicity	Non-carcinogenic		
∑ Mutagenic effects	Not mutagenic		
∑ Reprotoxic effects	Not found to be reprotoxic.		
11.5 Other toxic effects on humans:			
∑ Inhalation	No hazard identified		
∑ Eyes	No hazard identified		
∑ Ingestion	Harmful if swallowed		
∑ Chronic toxicity	No hazard identified		
11.6 NIOSH Immediately Dangerous To Life or Health Concentration (IDLH):			

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∑ No information available

11.7 Specific target organ toxicity:

∑ Single exposure	No experimental or epidemiological sufficient evidence for specific target organ toxicity
∑ Repeated exposure	No experimental or epidemiological sufficient evidence for specific target organ toxicity

Section 12 - ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

Substance name	Toxicity	Duration	Endpoint with Effective conc.
salicylic acid	Short term toxicity to fish: (Test organism ,species: Leuciscus idus)		LC50: 90 mg/L
	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 (Test organism,species: Pseudomonas putida)	17 hr	EC10 : 465 mg/L

12.2 Persistence and degradability:

∑ The substance is readily biodegradable

12.3 Bioaccumulative potential:

∑ The substance was not B/vB. As its log Kow < 4.5

12.4 Mobility in soil:

∑ Data not available

12.5 Results of PBT and vPvB assessment:

∑ The substance is not PBT / vPvB

12.6 Other adverse effects:

∑ None

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Section 13 - DISPOSAL CONSIDERATIONS:

∑ Disposal of product:	Do not let product enter drains.
∑ Disposal of Packaging:	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).

∑ UN Number	Not regulated. Not classified as dangerous in the meaning of transport regulations
∑ UN proper shipping name	Not regulated. Not classified as dangerous in the meaning of transport regulations
∑ Transport hazard class	Not regulated. Not classified as dangerous in the meaning of transport regulations
∑ Packing group	Not regulated. Not classified as dangerous in the meaning of transport regulations
∑ Environmental hazards	Not regulated. Not classified as dangerous in the meaning of transport regulations

Section 15 - REGULATORY INFORMATION

15.1 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).

∑ HIMS (Hazardous Materials Identification system) classification	Health	2
	Fire	1
	Physical Hazard	0
	Personal Protection	D

2= Temporary or minor injury may occur.

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	<p>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).</p> <p>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.</p> <div style="text-align: center;">  </div> <p>D = Face Shield + Gloves + Protective Apron</p>						
<p>Σ NFPA (National Fire Protection Association)</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #0000FF; color: white; padding: 2px;">Health</td> <td style="text-align: center; padding: 2px;">2</td> </tr> <tr> <td style="background-color: #FF0000; color: white; padding: 2px;">Fire</td> <td style="text-align: center; padding: 2px;">1</td> </tr> <tr> <td style="background-color: #FFFF00; padding: 2px;">Reactivity</td> <td style="text-align: center; padding: 2px;">0</td> </tr> </table> <div style="background-color: #0000FF; color: white; padding: 2px; margin-top: 5px;"> 2 = Intense or continued but not chronic exposure could cause temporary incapacitation or possible residual injury </div> <div style="background-color: #FF0000; color: white; padding: 2px; margin-top: 2px;"> 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). </div> <div style="background-color: #FFFF00; padding: 2px; margin-top: 2px;"> 0=Normally stable, even under fire exposure conditions, and are not reactive with water. </div>	Health	2	Fire	1	Reactivity	0
Health	2						
Fire	1						
Reactivity	0						
<p>15.2 Chemical Safety Assessment:</p> <p>Σ A chemical safety assessment has been carried out for the substance or the mixture by the supplier (LR)- No</p>							
<p>Section 16 – OTHER INFORMATION</p>							
<p>16.1 Technical Advice:</p>							
<p>Σ Use data given in this Safety Data Sheet and make an inventory list of all chemicals used in the factory</p>							
<p>Σ Create a Register for Workplace Chemicals;</p>							
<p>Σ Set priorities concerning the safety in the organization</p>							
<p>Σ Create emergency plans for the assessed hazards;</p>							
<p>Σ Organize occupational health care and regular surveys as necessary;</p>							
<p>Σ 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;</p>							
<p>Σ Start collecting case studies of accidents and sickness records in the enterprise to create a basis for priority measures in the control of hazards;</p>							

Safety Data Sheet

SALICYLIC ACID USP

Σ	Involvement of workers in safety organizations, such as the system of Safety Representatives and Committees.
Σ	Do regular inspection using checklists made for the particular chemicals and chemical processes in use;
Σ	Mark and label all chemicals;
Σ	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;
Σ	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;
Σ	Plan, develop and choose the safe working procedures;
Σ	Reduce the number of people coming into contact with dangerous chemicals;
Σ	Reduce the length of time and/or frequency of exposure of workers to dangerous chemicals;
Σ	Train workers to know and understand the emergency procedures;
Σ	Equip and train workers to use personal protective equipment properly after everything possible has been done to eliminate hazards by means of other methods;
16.2 List of relevant R phrases:	
R22 - Harmful if swallowed	
R41 - Risk of serious damage to eyes	

Last updated on: October, 2020.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Madar Corporation Limited affiliates be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damage.

		SPECIFICATION		Page 1 of 1
Product	Salicylic Acid			
Product Code	SA-020	Effective Date	23/11/2019	
Specification No.	Surfachem-S/SA-02001-00	Review Date	22/11/2021	

1.0 SPECIFICATION

S No.	Test	USP Specification	Reference
1	Description	White crystals, usually in fine needles, or fluffy, white, crystalline powder.	Surfachem-T/SA-02001-00
2	Solubility	Freely soluble in alcohol and in ether; soluble in boiling water; sparingly soluble in chloroform; slightly soluble in water and in benzene.	Surfachem-T/SA-02001-00
3	Identification	A- By Infrared absorption: The IR spectrum of sample should correspond to that of the Standard Spectrum of USP Salicylic acid RS. B- By HPLC Assay: The retention time of the major peak of the Sample solution corresponds to that of the Standard solution, as obtained in the Assay.	Surfachem-T/SA-02001-00
4	Organic impurities	Salicylic acid Related compound A: NMT 0.1% Salicylic acid Related compound B: NMT 0.05% Salicylic acid Related compound C: NMT 0.02% Any other individual impurity: NMT 0.05% Total impurities: NMT 0.2%	Surfachem-T/SA-02001-00
5	Chlorides	NMT 0.014%	Surfachem-T/SA-02001-00
6	Sulphates	NMT 0.02%	Surfachem-T/SA-02001-00
7	Residue on Ignition	NMT 0.05%	Surfachem-T/SA-02001-00
8	Loss on Drying	NMT 0.5%	Surfachem-T/SA-02001-00
9	Assay	NLT 98.0% and NMT 102.0%	Surfachem-T/SA-02001-00

END OF DOCUMENT