

Preparation Date 06-Apr-2006

Revision Date 13-Oct-2014

Revision Number 3

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

**Product Identifier**

Product Name **SODIUM SALICYLATE USP**

**Other means of identification**

Product Code 4005600  
CAS Number 54-21-7  
Formula C7H5NaO3  
Synonyms Benzoic Acid, 2-Hydroxy-, Monosodium Salt; Salicylic Acid, Monosodium Salt

**Recommended use of the chemical and restrictions on use**

Recommended Use Active Pharmaceutical Ingredient  
Uses advised against Repeated contact with food. Avoid prolonged contact with eyes, skin, and clothing.

**Details of the supplier of the safety data sheet**

Supplier Address



**Emergency Telephone Number(s)**

ChemTrec: 1-800-424-9300 Outside of the United States: 1-703-527-3887

**2. HAZARDS IDENTIFICATION**

**Classification**

Acute Toxicity - Oral	Category 4
Serious eye damage/eye irritation	Category 2A

**Label elements**

**Emergency Overview**

Signal Word  
**Warning**

**Hazard statements**

Harmful if swallowed  
Causes serious eye irritation

**Appearance**

White Crystalline

**Physical State**

Solid

**Odor**

No information available

**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Wear eye/face protection

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention  
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell  
Rinse mouth

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

None known

**Other Information**

100 % of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms**

Benzoic Acid, 2-Hydroxy-, Monosodium Salt; Salicylic Acid, Monosodium Salt

**Formula**

C7H5NaO3

Chemical Name	CAS-No	Weight %	North American Hazard Indicator
Sodium Salicylate	54-21-7	100	True

### 4. FIRST AID MEASURES

**First Aid Measures****General Advice**

Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Consult a physician.

<b>Skin Contact</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician.
<b>Inhalation</b>	Move to fresh air. If breathing is difficult, give oxygen. Consult a physician.
<b>Ingestion</b>	Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician immediately.
<b>Protection of First-aiders</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

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

**Main Symptoms** No information available.

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

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media** Water spray. Carbon dioxide (CO<sub>2</sub>). Dry powder. Foam.

**Unsuitable Extinguishing Media** No information available.

**Hazardous Combustion Products** Thermal decomposition or combustion may produce hazardous gases and/or materials.

**Explosion Data**

**Sensitivity to mechanical impact** Not available.

**Sensitivity to static discharge** Not available.

**Specific Hazards Arising from the Chemical**

Thermal decomposition can lead to release of irritating gases and vapours.

**Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment. Avoid contact with skin, eyes and clothing. Evacuate personnel to safe areas. In case of insufficient ventilation, wear suitable respiratory equipment.

**Environmental Precautions** Local authorities should be advised if significant spillages cannot be contained.

**Methods and material for containment and cleaning up**

**Methods for Cleaning up** Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

**Handling** Use only in an area equipped with a safety shower. Ensure adequate ventilation. Do not breathe vapours/dust. Avoid contact with skin, eyes and clothing.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep in properly labelled containers. Keep container tightly closed. Protect from light.

**Incompatible Materials** Strong oxidizing agents. Strong acids. Ferric salts. Mineral acids. Iodine. Lead acetate. Sodium phosphate powder. Silver nitrate.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Salicylate 54-21-7	-	-	-

**Appropriate engineering controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

**Eye/face Protection** Tightly fitting safety goggles.

**Skin and body protection** Wear protective gloves and protective clothing.

**Respiratory Protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**General Hygiene Considerations** General industrial hygiene practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

**Appearance** White Crystalline  
**Physical State** Solid  
**Odor** No information available  
**Odor Threshold** No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting/freezing point	No data available	Literary Reference
Boiling Point/Range	No information available	
Flash Point	No data available	No information available
Evaporation Rate	Not available	
Flammability Limits in Air		
upper flammability limit	No information available	
lower flammability limit	Not available	
Vapor Pressure	No information available	
Vapor Density	Not available	
Specific Gravity	No information available	

**Water Solubility**

<b>Solubility in other solvents</b>	No information available	
<b>Partition coefficient: n-octanol/water</b>	Not available	
<b>Autoignition temp (°C)</b>	>250 °C	Estimated
<b>Decomposition temperature</b>	No data available	
<b>Viscosity, kinematic</b>	No information available	
<b>Viscosity, dynamic</b>	Not available	
<b>Explosive Properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	

**Other Information**

<b>Softening Point</b>	No information available
<b>Molecular Weight</b>	160.11
<b>VOC Content</b>	No information available
<b>Density</b>	No information available
<b>Bulk Density</b>	No information available

**10. STABILITY AND REACTIVITY**

<b>Reactivity</b>	Not applicable.
<b>Chemical Stability</b>	Stable under normal conditions
<b>Hazardous Polymerization</b>	Hazardous polymerisation does not occur
<b>Conditions to Avoid</b>	Heat, flames and sparks. Protect from light.
<b>Incompatible Materials</b>	Strong oxidizing agents. Strong acids. Ferric salts. Mineral acids. Iodine. Lead acetate. Sodium phosphate powder. Silver nitrate.
<b>Hazardous Decomposition Products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Sodium oxides.
<b>Possibility of Hazardous Reactions</b>	None under normal processing

**11. TOXICOLOGICAL INFORMATION****Product Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium Salicylate 54-21-7	= 930 mg/kg ( Rat )	-	-

The following values are calculated based on chapter 3.1 of the GHS document .

**ATEmix (oral)** 930 mg/kg

**Information on likely routes of exposure**

<b>Eyes</b>	Irritating to eyes. Risk of serious damage to eyes.
<b>Skin</b>	Irritating to skin.
<b>Inhalation</b>	Irritating to mucous membranes. Irritating to respiratory system.

**Ingestion**

Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May cause muscle tremor and impaired motor function. May cause gastric disturbances and electrolytic imbalance. May cause systemic toxic effects on the heart, liver, and kidneys.

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Eye damage/irritation** No information available.

**Skin Corrosion/Irritation** No information available.

**Sensitization** No information available.

**Reproductive Effects** Experiments have shown reproductive toxicity effects on laboratory animals.

**Mutagenic Effects** Substances which cause concern for man owing to possible mutagenic effects but for which the available information is not adequate for making a satisfactory assessment.

**Developmental Effects** No information available.

**Teratogenic Effects** May cause harm to the unborn child.

**STOT - single exposure** No information available.

**STOT - Repeated Exposure** No information available.

**Chronic Toxicity** Avoid repeated exposure.

**Aspiration Hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Acute Toxicity** 100 % of the mixture consists of ingredient(s) of unknown toxicity

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

There is no known ecological information for this product.

Chemical Name	Freshwater Algae Data	Freshwater Fish Species Data	Microtox Data	Water Flea Data
Sodium Salicylate 54-21-7		1270 - 1470: 96 h Pimephales promelas mg/L LC50 flow-through		

**Persistence / Degradability** No information available.

**Bioaccumulation / Accumulation** Does not bioaccumulate.

**Mobility in Soil** No information available.

<b>Chemical Name</b>	<b>log Pow =</b>
Sodium Salicylate 54-21-7	2.26

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Waste Disposal Method** Contact waste disposal services. Dispose of in accordance with local regulations.

**Contaminated Packaging** Dispose of in accordance with local regulations. Empty containers should be taken for local recycling, recovery or waste disposal.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**ICAO** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

**RID** Not regulated

**ADR** Not regulated

**ADN** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

U.S.A. (TSCA) Complies  
 Canada (DSL) Complies  
 EU (EINECS) Complies  
 EU (ELINCS) Does not Comply  
 Japan (ENCS) Complies  
 China Complies  
 Korea (KECL) Complies  
 Philippines (PICCS) Complies  
 Australia (AICS) Complies

Chemical Name	U.S.A. (TSCA)	Canada (DSL)	EU (EINECS)		EU (ELINCS)
Sodium Salicylate	Present	Present	Present		-
Chemical Name	Japan (ENCS)	China	Korea (KECL)	Philippines (PICCS)	Australia (AICS)
Sodium Salicylate	Present (9)-1094;(3)-1639	Present	Present	Present	Present

## ***Federal Regulations***

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

### **SARA 311/312 Hazardous Categorization**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

## ***State Regulations***

### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

### **State Right-to-Know**

This product does not contain any State Right-to-Know chemicals.

### **U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

## ***Canada***

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**WHMIS Statement**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**16. OTHER INFORMATION****NFPA****Health 2****Flammability 0****Instability 0****Physical Hazard \*****Preparation Date**

06-Apr-2006

**Revision Date**

13-Oct-2014

**Revision Summary**

Not available

**Disclaimer**

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