



# SAFETY DATA SHEET

Creation Date 24-Nov-2009

Revision Date 16-Nov-2010

Revision Number 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

Reach Registration Number 01-2119486984-17  
Product Description: **Salicylic acid**  
Cat No. **419220000; 419220025; 419225000**  
Synonyms 2-Hydroxybenzoic acid

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

Recommended Use Laboratory chemicals  
Uses advised against No Information available

### Details of the supplier of the safety data sheet

#### Company

Acros Organics BVBA  
Janssen Pharmaceuticaaan 3a  
2440 Geel, Belgium

E-mail address begel.sdsdesk@thermofisher.com

#### Emergency Telephone Number

For information in the US, call: 001-800-ACROS-01  
For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99  
Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-424-9300  
CHEMTREC Phone Number, Europe: 001-703-527-3887

## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture REGULATION (EC) No 1272/2008

Acute oral toxicity	Category 4
Skin Corrosion / irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 1
Specific target organ systemic toxicity (single exposure)	Category 3

### Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R phrases mentioned in this Section, see Section 16

Symbol(s) Xn - Harmful  
R -phrase(s) R22 - Harmful if swallowed  
R41 - Risk of serious damage to eyes  
Risk Combination Phrases R37/38 - Irritating to respiratory system and skin

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**2. HAZARDS IDENTIFICATION**

Label Elements



Signal Word

**Danger**

**Hazard Statements**

- H302 - Harmful if swallowed
- H318 - Causes serious eye damage
- H319 - Causes serious eye irritation
- H315 - Causes skin irritation

**Precautionary Statements - EU (§28, 1272/2008)**

- P280 - Wear eye protection/ face protection
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
- P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray
- P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

**Other Hazards**

No information available.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	EC No.	Weight %	CAS-No	Classification	GHSCAS	REACH Reg. No.
Salicylic acid 69-72-7	EEC No. 200- 712-3	>95	69-72-7	Xn; R22 Xi; R37/38 Xi; R41	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Acute Tox. 4 (H302)	01-2119486984-17

For the full text of the R phrases mentioned in this Section, see Section 16

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**4. FIRST AID MEASURES****Description of first aid measures****Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes Obtain medical attention

**Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes Obtain medical attention

**Ingestion**

Do not induce vomiting Call a physician or Poison Control Center immediately

**Inhalation**

Move to fresh air If breathing is difficult, give oxygen Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device Obtain medical attention

**Notes to Physician**

Treat symptomatically

**5. FIRE-FIGHTING MEASURES****Extinguishing media****Suitable Extinguishing Media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**Extinguishing media which must not be used for safety reasons**

No information available.

**Special hazards arising from the substance or mixture**

Vapors or dust may form explosive mixture with air

**Advice for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear Thermal decomposition can lead to release of irritating gases and vapors

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.

**Environmental precautions**

Should not be released into the environment.

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

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

**7. HANDLING AND STORAGE****Precautions for Safe Handling**

Wear personal protective equipment Ensure adequate ventilation Do not get in eyes, on skin, or on clothing Avoid ingestion and inhalation Avoid dust formation

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

Keep containers tightly closed in a dry, cool and well-ventilated place Keep away from direct sunlight

**Specific End Uses**

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Control parameters**

**Exposure limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL)**

No information available.

**Predicted No Effect Concentration (PNEC)**

No information available.

**Exposure controls**

**Engineering Measures**

Ensure that eyewash stations and safety showers are close to the workstation location Ensure adequate ventilation, especially in confined areas

**Personal protective equipment**

**Eye Protection**

Safety glasses with side-shields

**Hand Protection**

Protective gloves

**Skin and body protection**

Wear appropriate protective gloves and clothing to prevent skin exposure

**Respiratory Protection**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls**

No information available.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State**

Solid

**Appearance**

Off-white

**odor**

slight

**pH**

2.4 sat. solution

**Vapor Pressure**

0.3 mbar @ 95 °C

**Boiling Point/Range**

211°C / 411.8°F@ 20 mmHg

**Melting Point/Range**

158 - 161°C / 316.4 - 321.8°F

**Flash Point**

157°C / 314.6°F

**Autoignition Temperature**

535°C / 995°F

**Explosion Limits**

**Lower**

1.1

**Evaporation Rate**

negligible

**Water Solubility**

1.8 g/L (20°C)

**Molecular Formula**

C7 H6 O3

**Molecular Weight**

138.12

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**10. STABILITY AND REACTIVITY**

**Reactivity**

**Chemical Stability**

Light sensitive. Moisture sensitive.

**Possibility of Hazardous Reactions**

**Hazardous Polymerization**

Hazardous polymerization does not occur.

**Hazardous Reactions .**

None under normal processing..

**Conditions to Avoid**

Incompatible products, Excess heat, Avoid dust formation, Exposure to moist air or water, Exposure to light.

**Incompatible Materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**11. TOXICOLOGICAL INFORMATION**

**Information on Toxicological Effects**

**Acute Toxicity**

**Component Information**

**Component**

Salicylic acid

LD50 Oral	LD50 Dermal	LC50 Inhalation
891 mg/kg ( Rat )	>2 g/kg ( Rat )	>0.9 mg/L ( Rat ) 1 h

**Chronic Toxicity**

**Carcinogenicity**

There are no known carcinogenic chemicals in this product

**Sensitization**

No information available.

**Mutagenic Effects**

No information available

**Reproductive Effects**

No information available.

**Developmental Effects**

No information available.

**Target Organs**

Skin Respiratory system Eyes

**Other Adverse Effects**

The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information

**Endocrine Disruptor Information**

None known

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**12. ECOLOGICAL INFORMATION**
**Toxicity**  
**Ecotoxicity effects**

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Salicylic acid		90 mg/L LC50 48 h	EC50 = 138 mg/L 1 h EC50 = 214 mg/L 5 min EC50 = 552 mg/L 1 h EC50 = 78 mg/L 210 min	EC50: 105 mg/L/24h

**Persistence and degradability**

Readily biodegradable

**Bioaccumulative potential**

No information available.

Component	log Pow
Salicylic acid	2.26

**Mobility in soil**

No information available.

**Results of PBT and vPvB assessment**
**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**
**Waste treatment methods**
**Waste from Residues / Unused Products**

Dispose of in accordance with local regulations

**Contaminated Packaging**

Empty containers should be taken for local recycling, recovery or waste disposal

**14. TRANSPORT INFORMATION**
**IMDG/IMO**

Not regulated

**ADR**

Not regulated

**IATA**

Not regulated

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**14. TRANSPORT INFORMATION**

**15. REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**International Inventories**

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Salicylic acid	200-712-3	-		X	X	-	X	X	X	X	KE-20367 X

**Legend**

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- EINECS/ELINCS** - European Inventory Lists
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- CHINA** - China Inventory of Existing Chemical Substances
- AICS** - Inventory of Chemical Substances
- KECL** - Existing and Evaluated Chemical Substances

**Chemical Safety Assessment**

**16. OTHER INFORMATION**

**Text of R phrases mentioned in Section 2-3**

- R22 - Harmful if swallowed
- R41 - Risk of serious damage to eyes
- R37/38 - Irritating to respiratory system and skin

Revision Date 16-Nov-2010  
 Revision Summary Not applicable

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

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

End of Safety Data Sheet