

## Salicylic acid

27301H-1KG

Version 2.0

Revision Date 15.11.2019

Supersedes 1

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

#### 1.1. Product identifier

Product name : Salicylic acid

SDS-number : 000000021472

Type of product : Substance

Remarks : SDS according to Art. 31 of Regulation (EC) 1907/2006.

Chemical name : salicylic acid

Index-No. : 607-732-00-5

REACH Registration Number : 01-2119486984-17

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

Use of the Substance/Mixture : Laboratory chemicals

Uses advised against : none

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

Company	: Honeywell Specialty Chemicals Seelze GmbH Wunstorfer Straße 40 30926 Seelze Germany	Honeywell International, Inc. 115 Tabor Road Morris Plains, NJ 07950-2546 USA
Telephone	: (49) 5137-999 0	
Telefax	: (49) 5137-999 123	
For further information, please contact:	: PMTEU Product Stewardship: SafetyDataSheet@Honeywell.com	

#### 1.4. Emergency telephone number

Emergency telephone number : +1-703-527-3887 (ChemTrec-Transport)  
+1-303-389-1414 (Medical)

Country based Poison Control Center : see chapter 15.1

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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### REGULATION (EC) No 1272/2008

Acute toxicity Category 4 - Oral

H302 Harmful if swallowed.

Serious eye damage Category 1

H318 Causes serious eye damage.

Reproductive toxicity Category 2

H361d Suspected of damaging the unborn child.

#### 2.2. Label elements

##### REGULATION (EC) No 1272/2008

Hazard pictograms



Signal word : **Danger**

Hazard statements : H302 Harmful if swallowed.  
H318 Causes serious eye damage.  
H361d Suspected of damaging the unborn child.

Precautionary statements : P201 Obtain special instructions before use.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

#### 2.3. Other hazards

Results of PBT and vPvB assessment, see chapter 12.5. Risk of dust explosion. Avoid dust formation.

### SECTION 3: Composition/information on ingredients

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### 3.1. Substance

Chemical name	CAS-No. Index-No. REACH Registration Number EC-No.	Classification 1272/2008	Concentration	Remarks
salicylic acid	69-72-7 607-732-00-5 01-2119486984-17 200-712-3	Acute Tox. 4; H302 Eye Dam. 1; H318 Repr. 2; H361d	100 %	1*

1\* - For specific concentration limits see Annexes of 1272/2008

### 3.2. Mixture

Not applicable

Occupational Exposure Limit(s), if available, are listed in Section 8.  
For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### *General advice:*

First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately.

#### *Inhalation:*

If inhaled, remove to fresh air. Call a physician if irritation develops or persists.

#### *Skin contact:*

After contact with skin, wash immediately with plenty of water.

#### *Eye contact:*

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Protect unharmed eye.

#### *Ingestion:*

When swallowed, allow water to be drunk. Call a physician immediately.

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

no data available

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

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Treat symptomatically.

See Section 11 for more detailed information on health effects and symptoms.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

*Suitable extinguishing media:*

Water spray

Foam

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

Dry powder

*Extinguishing media which shall not be used for safety reasons:*

High volume water jet

#### 5.2. Special hazards arising from the substance or mixture

Avoid dust formation in confined areas.

Airborne dusts of this product in an enclosed space and in the presence of an ignition source may constitute an explosion hazard.

Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges.

Static charges on powders or powders in liquids may ignite combustible atmospheres.

Hazardous decomposition products formed under fire conditions.

#### 5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### SECTION 6: Accidental release measures

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

Wear personal protective equipment. Evacuate personnel to safe areas. Provide adequate ventilation.

May form explosive dust-air mixture. Avoid dust formation. Accumulations of dust from this product in the workplace may increase the likelihood or severity of an explosion. Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges. Eliminate all ignition sources if safe to do so.

#### 6.2. Environmental precautions

Should not be released into the environment.

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### 6.3. Methods and materials for containment and cleaning up

Avoid dust formation and electrical charging (sparking) because dust explosion might occur.  
Do not create a powder cloud by using a brush or compressed air.  
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).  
Use only non-sparking tools.

### 6.4. Reference to other sections

For personal protection see section 8.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### *Advice on safe handling:*

Wear personal protective equipment. Avoid dust formation. Floors, walls and other surfaces must be regularly cleaned. The material can accumulate static charge and can therefore cause electrical ignition. Static charges on powders or powders in liquids may ignite combustible atmospheres. Take precautionary measures against static discharges.

#### *Advice on protection against fire and explosion:*

All combustible solids have the potential to create a dust explosion hazard. The likelihood of an explosion can be dependent upon many factors, such as the explosive characteristics of the material, the design of the facility, and the manner in which the material is handled. A more detailed discussion can be found in NFPA Bulletin 654, "Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids."

#### *Hygiene measures:*

Take off all contaminated clothing immediately. Remove and wash contaminated clothing before re-use. When using do not eat or drink. Wash hands before breaks and at the end of workday.

### 7.2. Conditions for safe storage, including any incompatibilities

#### *Requirements for storage areas and containers:*

Store in original container. Keep container tightly closed in a dry and well-ventilated place. Protect against light.

### 7.3. Specific end use(s)

no additional data available

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

##### DNEL/ PNEC-Values

Component	End-use/impact	Exposure duration	Value	Exposure routes	Remarks
salicylic acid	Workers / Long-term systemic effects		5 mg/m3	Inhalation	
salicylic acid	Workers / Long-term local effects		5 mg/m3	Inhalation	
salicylic acid	Workers / Long-term systemic effects		2,3mg/kg bw/d	Skin contact	
salicylic acid	Consumers / Long-term systemic effects		4 mg/m3	Inhalation	
salicylic acid	Consumers / Long-term systemic effects		1mg/kg bw/d	Skin contact	
salicylic acid	Consumers / Long-term systemic effects		1mg/kg bw/d	Ingestion	
salicylic acid	Consumers / Acute systemic effects		4mg/kg bw/d	Ingestion	

Component	Environmental compartment / Value	Remarks
salicylic acid	Fresh water: 0,2 mg/l	Assessment factor: 50
salicylic acid	Marine water: 0,02 mg/l	Assessment factor:

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		500
salicylic acid	Sewage treatment plant: 162 mg/l	
salicylic acid	Fresh water sediment: 1,42 mg/kg dw	
salicylic acid	Marine sediment: 0,142 mg/kg dw	
salicylic acid	Soil: 0,166 mg/kg dw	

### 8.2. Exposure controls

#### Occupational exposure controls

The Personal Protective Equipment must be in accordance with EN standards:respirator EN 136, 140, 149; safety glasses EN 166; protective suit: EN 340, 463, 468, 943-1, 943-2; gloves EN 374, 511; safety shoes EN-ISO 20345.  
Do not breathe dust.

#### Engineering measures

Provide exhaust ventilation if dust is formed.  
Use only in an area equipped with explosion proof exhaust ventilation.  
Electrical equipment should be protected to the appropriate standard.  
If formation of dust is observed, equipment has to be switched off, cleaned and serviced.

#### Personal protective equipment

##### *Respiratory protection:*

In the case of dust or aerosol formation use respirator with an approved filter.

##### *Hand protection:*

Glove material: Natural Latex  
Break through time: > 480 min  
Glove thickness: 0,6 mm  
Lapren®706  
Gloves must be inspected prior to use.  
Replace when worn.

Remarks:Supplementary note: The specifications are based on information and tests from similar substances by analogy.

Due to varying conditions ( e.g.temperature or other strains) it must be considered that the usage of a chemical protective glove in practice may be much shorter than the permeation time determined in accordance with EN 374.

Since actual conditions of practical use often deviate from standardised conditions according EN 374 the glove manufacturer recommends to use the chemical protective glove in practice not longer than 50% of the recommended permeation time.

Manufacturer's directions for use should be observed because of great diversity of types .

Suitable gloves tested according EN 374 are supplied e.g. from KCL GmbH, D-36124 Eichenzell, Vertrieb@kcl.de

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### *Eye protection:*

Safety goggles

### *Skin and body protection:*

Protective suit

### **Environmental exposure controls**

Handle in accordance with local environmental regulations and good industrial practices.

## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

Form	: crystalline
Colour	: white
Odour	: odourless
molecular weight	: 138,12 g/mol
Melting point/range	: 158 - 161 °C
Boiling point/boiling range	: 211 °C
Sublimation point	: 76 °C at 1.013 hPa
Flash point	: Not applicable
Flammability (solid, gas)	: May form combustible dust concentrations in air.
Ignition temperature	: 549 °C
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Upper explosion limit	: no data available
Vapour pressure	: < 1 hPa at 100 °C
Density	: 1,440 g/cm <sup>3</sup> at 20 °C
Bulk density	: 400 - 800 kg/m <sup>3</sup>



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Viscosity, dynamic	: no data available
Viscosity, kinematic	: no data available
pH	: 2,4 Concentration: 20 g/l at 20 °C
Water solubility	: 2 g/l at 20 °C
Solubility in other solvents	: Soluble in most organic solvents
Partition coefficient: n-octanol/water	: log Pow 2,21
Relative vapour density	: no data available
Evaporation rate	: no data available

### 9.2 Other Information

no additional data available

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under recommended storage conditions.

### 10.2. Chemical stability

No decomposition if used as directed.

### 10.3. Possibility of hazardous reactions

Hazardous polymerisation does not occur.

### 10.4. Conditions to avoid

Avoid dust formation and electrical charging (sparking) because dust explosion might occur.  
Protect from heat/overheating.  
Protect against light.  
Keep away from heat and sources of ignition.

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### 10.5. Incompatible materials

Strong oxidizing agents  
Strong bases  
Iodine  
Iron

### 10.6. Hazardous decomposition products

Carbon oxides

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### *Acute oral toxicity:*

LD50

Species: Rat

Value: 891 mg/kg

#### *Acute dermal toxicity:*

LD50

Species: Rabbit

Value: > 2.000 mg/kg

#### *Acute inhalation toxicity:*

LC50

Species: Rat

Value: > 0,9 mg/l

Exposure time: 1 h

#### *Skin irritation:*

Species: Rabbit

Classification: non-irritant

#### *Eye irritation:*

Species: Rabbit

Classification: irritant - risk of serious damage to eyes

#### *Respiratory or skin sensitisation:*

no data available

#### *Germ cell mutagenicity:*

Test Method: Chromosome aberration test in vitro

Cell type: Chinese hamster ovary cells

Metabolic activation: with and without metabolic activation

Result: negative

Method: OECD Test Guideline 476

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**Honeywell**  
**Fluka™**

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Test Method: In vitro gene mutation study in mammalian cells

Cell type: mouse lymphoma cells

Metabolic activation: with and without metabolic activation

Result: negative

Method: OECD Test Guideline 476

Test Method: reverse mutation assay

Cell type: Salmonella typhimurium

Metabolic activation: with and without metabolic activation

Result: negative

Method: OECD Test Guideline 471

Test Method: Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis)

Species: Mouse, male

Cell type: Bone marrow

Application Route: Oral

Method: OECD Test Guideline 475

Result: negative

Test Method: sister chromatid exchange assay

Species: Mouse, male

Cell type: Bone marrow

Application Route: Intraperitoneal injection

Result: negative

*Aspiration hazard:*

no data available

*Other information:*

no data available

## SECTION 12: Ecological information

### 12.1. Toxicity

*Toxicity to fish:*

LC50

flow-through test

Species: Pimephales promelas (fathead minnow)

Value: 1.370 mg/l

Exposure time: 96 h

Test substance: REACH dossier "read-across"

*Toxicity to aquatic plants:*

EC50

Species: scenedesmus subspicatus

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Value: > 100 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

### *Toxicity to aquatic invertebrates:*

EC50  
static test  
Species: Daphnia magna (Water flea)  
Value: 870 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

## 12.2. Persistence and degradability

*Biodegradability:*  
Biodegradation: 100 %  
Exposure time: 14 d  
Result: rapidly biodegradable

## 12.3. Bioaccumulative potential

no data available

## 12.4. Mobility in soil

no data available

## 12.5. Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6. Other adverse effects

no data available

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

*Product:*  
Dispose according to legal requirements.

*Packaging:*  
Legal requirements are to be considered in regard of reuse or disposal of used packaging materials

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### Further information:

Provisions relating to waste:

EC Directive 2006/12/EC; 2008/98/EEC

Regulation No. 1013/2006

For personal protection see section 8.

## SECTION 14: Transport information

### ADR/RID

Not dangerous goods

### IATA

Not dangerous goods

### IMDG

Not dangerous goods

## SECTION 15: Regulatory information

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

Basis	Value	Remarks
Directive 2012/18/EC SEVESO III		Not applicable

### Poison Control Center

Country	Phone Number
Austria	+4314064343
Belgium	070 245245
Bulgaria	(+)35929154233
Croatia	(+3851)23-48-342
Cyprus	+357 2240 5611
Czech Republic	+420224919293; +420224915402
Denmark	82121212
Estonia	16662; (+372)6269390
Finland	9471977
France	+33(0)145425959

Country	Phone Number
Liechtenstein	+41 442515151
Lithuania	+370532362052
Luxembourg	070245245; (+352)80002-5500
Malta	+356 2395 2000
Netherlands	030-2748888
Norway	22591300
Poland	+48 42 25 38 400
Portugal	808250143
Romania	+40 21 318 3606
Slovakia (NTIC)	+421 2 54 774 166

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Greece	+30 210 779 3777
Hungary	(+36-80)201-199
Iceland	5432222
Ireland	+353(1)8092166
Italy	+39 0649906140
Germany	Berlin : 030/19240
	Bonn : 0228/19240
	Erfurt : 0361/730730
	Freiburg : 0761/19240
	Göttingen : 0551/19240
	Homburg : 06841/19240
	Mainz : 06131/19240
	Munich : 089/19240
Latvia	+37167042473

Slovenia	+386 1 400 6051
Spain	+34915620420
Sweden	112 (begär Giftinformation);+46104566786
Switzerland	145
United Kingdom	(+44) 844 892 0111

### Other inventory information

US. Toxic Substances Control Act  
On TSCA Inventory

Australia. Industrial Chemical (Notification and Assessment) Act  
On the inventory, or in compliance with the inventory

Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)  
All components of this product are on the Canadian DSL

Japan. Kashin-Hou Law List  
On the inventory, or in compliance with the inventory

Korea. Existing Chemicals Inventory (KECI)  
On the inventory, or in compliance with the inventory

Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act  
On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances (IECSC)  
On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand  
On the inventory, or in compliance with the inventory

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### 15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

### Text of H-statements referred to under heading 3

salicylic acid	:	H302	Harmful if swallowed.
		H318	Causes serious eye damage.
		H361d	Suspected of damaging the unborn child.

### Further information

All directives and regulations refer to amended versions.

Vertical lines in the left hand margin indicate a relevant amendment from the previous version.

#### Abbreviations:

EC European Community

CAS Chemical Abstracts Service

DNEL Derived no effect level

PNEC Predicted no effect level

vPvB Very persistent and very bioaccumulative substance

PBT Persistent, bioaccumulative and toxic substance

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user.

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