

## Safety Data Sheet

### 1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

Product name: Salicylic Acid

Product code(SDS NO): 31422jis\_E-1

Details of the supplier of the safety data sheet

Manufacturer/Supplier: JUNSEI CHEMICAL CO., LTD.

Address: 1-6, Ohmano-Cho, Koshigaya, Saitama 343-0844, Japan

Division: Quality Assurance Department

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### 2. Hazards identification

GHS classification and label elements of the product

Classification of the substance or mixture

#### HEALTH HAZARDS

Acute toxicity Oral: Category 4

Skin corrosion/irritation: Category 2

Serious eye damage/eye irritation: Category 2A

Skin sensitization: Category 1

Reproductive toxicity: Category 2

Specific target organ toxicity – single exposure: Category 1(central nervous system)

Specific target organ toxicity – repeated exposure: Category 1(central nervous system)

#### ENVIRONMENT HAZARDS

Hazardous to the aquatic environment – acute hazard: Category 3

(Note) GHS classification without description: Not applicable/Out of classification/Not classifiable

Label elements



Signal word: Danger

#### HAZARD STATEMENT

Harmful if swallowed

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

Suspected of damaging fertility or the unborn child

Causes damage to organs after single exposure

Causes damage to organs through prolonged or repeated exposure

Harmful to aquatic life

#### PRECAUTIONARY STATEMENT

Prevention

Do not handle until all safety precautions have been read and understood.

Avoid release to the environment.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash contaminated parts thoroughly after handling.

Wear protective gloves.

Salicylic Acid ,JUNSEI CHEMICAL CO., LTD.,31422jis\_E-1,28/02/2018

Contaminated work clothing should not be allowed out of the workplace.

Wear eye protection/face protection.

Use personal protective equipment as required.

Do not eat, drink or smoke when using this product.

#### Response

Get medical advice/attention if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

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: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

#### Storage

Store locked up.

#### Disposal

Dispose of contents/container in accordance with local/national regulation.

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### 3. Composition/information on ingredients

Mixture/Substance selection:

Substance

Common name, synonyms: 2-Hydroxybenzoic acid

Ingredient name:Salicylic acid

Content(%):99.0 <

Chemical formula:C7H6O3

Chemicals No, Japan:3-1640

CAS No.:69-72-7

MW:138.12

ECNO:200-712-3

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### 4. First-aid measures

Descriptions of first-aid measures

General measures

Get medical attention/advice if you feel unwell.

IF INHALED

Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN (or hair)

Take off immediately all contaminated clothing. Rinse skin with water/shower.

Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

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

Rinse mouth. Induce vomiting (ONLY IN CONSCIOUS PERSONS!).

Call a POISON CENTER or doctor/physician if you feel unwell.

Most important symptoms and effects, both acute and delayed

(Symptoms when inhalation or ingestion)

Cough. Sore throat. Nausea. Vomiting. Ringing in the ears.

(Symptoms when skin and/or eye contact)

Redness. Eye's pain.

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#### 5. Fire-fighting measures

##### Extinguishing media

###### Suitable extinguishing media

In case of fire, use water mist, foam, dry powder, CO<sub>2</sub>.

##### Specific hazards arising from the substance or mixture

Containers may explode when heated.

Fire may produce irritating, corrosive and/or toxic gases.

##### Advice for firefighters

###### Specific fire-fighting measures

Evacuate non-essential personnel to safe area.

Cool container with water spray.

###### Special protective equipment and precautions for fire-fighters

Wear fire/flame resistant/retardant clothing.

Wear protective gloves/protective clothing/eye protection/face protection.

Firefighters should wear self-contained breathing apparatus with full face piece operated positive pressure mode.

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#### 6. Accidental release measures

##### Personnel precautions, protective equipment and emergency procedures

Ventilate area after material pick up is complete.

Wear proper protective equipment.

##### Environmental precautions

Avoid release to the rivers, lakes, ocean and groundwater.

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

Sweep up, place in a bag and hold for waste disposal.

##### Preventive measures for secondary accident

Collect spillage.

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#### 7. Handling and storage

##### Precautions for safe handling

###### Preventive measures

(Exposure Control for handling personnel)

Do not breathe dust/fume/gas/mist/vapors/spray.

(Protective measures against fire and explosion)

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

###### Exhaust/ventilator

Exhaust/ventilator should be available.

###### Safety treatments

Avoid contact with skin.

Avoid contact with eyes.

Avoid breathing dust, fume, gas, mist or vapor.

###### Safety Measures/Incompatibility

Do not handle until all safety precautions have been read and understood.

Wear protective gloves, protective clothing or face protection.

Wear protective gloves.

Wear eye protection/face protection.

Use personal protective equipment as required.

When using do not eat, drink or smoke.

Conditions for safe storage, including any incompatibilities

Recommendation for storage

- Store in a well-ventilated place. Keep container tightly closed.
- Keep cool. Protect from sunlight.
- Store locked up.

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## 8. Exposure controls/personal protection

Control parameters

No control value data available in MHLW

Adopted value

No Adopted value data available in JSOH

Exposure controls

Appropriate engineering controls

- Do not use in areas without adequate ventilation.
- Eye wash station should be available.
- Washing facilities should be available.

Individual protection measures

Respiratory protection

Wear respiratory protection.

Hand protection

Wear protective gloves.

Consult with your glove and/or personnel equipment manufacturer for selection of appropriate compatible materials.

Eye protection

Wear chemical safety goggle.

Wear eye/face protection.

Safety and Health measures

- Wash ... thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Contaminated work clothing should not be allowed out of the workplace.
- Take off contaminated clothing and wash it before reuse.

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## 9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical properties

- Appearance: Crystalline powder
- Color: White
- Odor: None
- pH: 2.4 (saturated solution, 20°C)

Phase change temperature

- Initial Boiling Point/Boiling point: 211°C
- Melting point/Freezing point: 158~161°C
- Decomposition temperature data N.A.
- Flash point: (c.c.)157°C
- Auto-ignition temperature: 540°C
- Explosive properties data N.A.
- Vapor pressure: 114 Pa (130°C)
- Relative Vapor Density (Air=1): 4.8
- Specific gravity/Density: 1.443g/cm<sup>3</sup>(20/4°C)

Solubility

- Solubility in water: 0.2 g/100 ml (20°C)
- Solubility in solvent: Freely soluble in ethanol, diethyl ether.

n-Octanol /water partition coefficient: log Pow2.26

Other information

Sublimation point:76°C

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## 10. Stability and Reactivity

### Reactivity

Runaway polymerization will not occur.

### Chemical stability

Stable under normal storage/handling conditions.

### Possibility of hazardous reactions

May form explosive dust-air mixtures.

The solution in water is a weak acid.

Reacts with strong oxidants.

### Conditions to avoid

Contact with incompatible materials.

Open flames. Heat.

### Incompatible materials

Strong bases, Strong oxidizing agents

### Hazardous decomposition products

Carbon oxides

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## 11. Toxicological Information

### Information on toxicological effects

#### Acute toxicity

##### Acute toxicity (Oral)

[GHS Cat. Japan, base data]

rat LD50=891~2000 mg/kg (NTP TR524, 2007)

##### Acute toxicity (Dermal)

[GHS Cat. Japan, base data]

rat LD50 >2000 mg/kg (NTP TR524, 2007)

#### Irritant properties

##### Skin corrosion/irritation

[GHS Cat. Japan, base data]

human : irritating (IUCLID, 2000)

##### Serious eye damage /irritation

[GHS Cat. Japan, base data]

rabbit : highly irritating (IUCLID, 2000)

#### Sensitization

##### Skin sensitization

[GHS Cat. Japan, base data]

cat.1; mouse : NTP TR 524, 2007

#### Germ cell mutagenicity

Chromosome aberration test :Negative(ISHA: Mutagenicity Test Results for Chemical Substances)

No Carcinogenic effects data available

#### Reproductive toxicity

[GHS Cat. Japan, base data]

cat.2; rat : HSDB, 2009

Delayed and immediate effects and also chronic effects from short- and long-term exposure

#### STOT

##### STOT-single exposure

[cat.1]

[Japan published data]

CNS ( HSDB, 2009; PIM 642, 1998 )

STOT-repeated exposure

[cat.1]

[Japan published data]

CNS ( HSDB, 2009; PIM 642, 1998 )

No Aspiration hazard data available

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## 12. Ecological Information

Ecotoxicity

Aquatic toxicity

Harmful to aquatic life

Aquatic acute toxicity component(s) data

[GHS Cat. Japan, base data]

Algae (Pseudokirchneriella subcapitata) EC50 = 65mg/L/96hr

(Results of Eco-toxicity tests of chemicals conducted by MOE, 2000)

Aquatic chronic toxicity component(s) data

[GHS Cat. Japan, base data]

Algae (Pseudokirchneriella subcapitata) NOEC = 31mg/L/72hr

(Results of Eco-toxicity tests of chemicals conducted by MOE, 2000)

Water solubility

0.2 g/100 ml (20°C) (ICSC, 1997)

Persistence and degradability

BOD\_Degradation : 88.1% (Registered chemicals data check & review, Japan 1976)

Bioaccumulative potential

log Pow = 2.26 (PHYSPROP Database, 2012)

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## 13. Disposal considerations

Waste treatment methods

Avoid release to the environment (- if this is not the intended use).

Dispose of contents/container in accordance with local/national regulation.

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## 14. Transport Information

UN No, UN CLASS

Not applicable to UN NO.

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## 15. Regulatory Information

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

US major regulations

TSCA

Salicylic acid

Other regulatory information

We are not able to check up the regulatory information in regard to the substances in your country or region, therefore, we request this matter would be filled by your responsibility.

Regulatory information with regard to this substance in your country or in your region should be examined by your own responsibility.

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

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**16. Other information****GHS classification and labelling**

Acute Tox. 4: H302 Harmful if swallowed

Skin Irrit. 2: H315 Causes skin irritation

Eye Irrit. 2A: H319 Causes serious eye irritation

Skin Sens. 1: H317 May cause an allergic skin reaction

Repr. 2: H361 Suspected of damaging fertility or the unborn child

STOT SE 1: H370 Causes damage to organs after single exposure

STOT RE 1: H372 Causes damage to organs through prolonged or repeated exposure

Aquatic Acute 3: H402 Harmful to aquatic life

**Reference Book**

Globally Harmonized System of classification and labelling of chemicals, (5th ed., 2013), UN

Recommendations on the TRANSPORT OF DANGEROUS GOODS 19th edit., 2015 UN

Classification, labelling and packaging of substances and mixtures (table3-1 ECNO6182012)

2016 EMERGENCY RESPONSE GUIDEBOOK (US DOT)

2017 TLVs and BEIs. (ACGIH)

<http://monographs.iarc.fr/ENG/Classification/index.php>

Supplier's data/information

NITE Chemical Risk Information Platform (NITE-CHRIP) <http://www.safe.nite.go.jp/japan/db.html>

GHS Classification Guidance for Enterprises 2013 Revised Edition (August, 2013, METI)

**General Disclaimer**

This information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. It are advised to make their own tests to determinate the safety and suitability of each such product or combination for their own purposes.

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.

The GHS classification data given here is based on current Japan official data (NITE published in 2016).