



杭州洁汉化工有限公司 GIHI CHEMICALS CO., LIMITED

ADD:Huacai International Building,Sandun,Westlake District,Hangzhou 310030,Zhejiang,China.0086571-86217390

SAFETY DATA SHEET

1.Chemical Product and Company Identification

Product Name: Docusate sodium

CAS-No.: 577-11-7

Company Identification: Xihu Industrial Park, Sandun Town, Hangzhou 310030, China

For information , call: 0086-571-86217390

Emergency Number: 0086-18268058086

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin irritation (Category 2), H315

Serious eye damage (Category 1), H318

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram



Signal word Danger

Hazard statement(s)

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statement(s)



杭州洁汉化工有限公司 GIHI CHEMICALS CO., LIMITED

ADD:Huacai International Building,Sandun,Westlake District,Hangzhou 310030,Zhejiang,China.0086571-86217390

P280 Wear protective gloves/ 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.

Supplemental Hazard Statements none

2.3 Other hazards

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.

3.MPOSITION/INFORMATION ON INGREDIENTS

Substances

Synonyms : Sulfobutanedioic acid bis(2-ethylhexyl ester)sodium salt

Sulfosuccinic acid bis(2-ethylhexyl) estersodium salt

Bis(2-ethylhexyl) sulfosuccinatesodium salt

AOT

'Dioctyl' sulfosuccinatesodium salt

Sodium bis(2-ethylhexyl) sulfosuccinate

Docusatesodium salt

Formula : C₂₀H₃₇NaO₇S

Molecular Weight : 444.56 g/mol

CAS	Chemical Name	%	EINECS	Classification
577-11-7	Docusate sodium	98%	209-406-4	Skin Irrit. 2; Eye Dam. 1; H315, H318

4. FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled



杭州洁汉化工有限公司 GIHI CHEMICALS CO., LIMITED

ADD:Huacai International Building,Sandun,Westlake District,Hangzhou 310030,Zhejiang,China.0086571-86217390

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

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

5.2 Special hazards arising from the substance or mixture

Carbon oxides, Sulphur oxides, Sodium oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas.



杭州洁汉化工有限公司 GIHI CHEMICALS CO., LIMITED

ADD:Huacai International Building,Sandun,Westlake District,Hangzhou 310030,Zhejiang,China.0086571-86217390

Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8..

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Hygroscopic.

7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls



杭州洁汉化工有限公司 GIHI CHEMICALS CO., LIMITED

ADD:Huacai International Building,Sandun,Westlake District,Hangzhou 310030,Zhejiang,China.0086571-86217390

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail

sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and



杭州洁汉化工有限公司 GIHI CHEMICALS CO., LIMITED

ADD:Huacai International Building,Sandun,Westlake District,Hangzhou 310030,Zhejiang,China.0086571-86217390

must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Wax like, Sheet

Colour white

Odour No data available

PH No data available

Melting point/freezing point 173 - 179 °C

Initial boiling point and boiling range No data available

Flash point No data available

Flammability (solid, gas) The product is not flammable. - Flammability (solids)

Upper/lower flammability or explosive limits No data available

Vapour pressure No data available



杭州洁汉化工有限公司

GIHI CHEMICALS CO., LIMITED

ADD:Huacai International Building,Sandun,Westlake District,Hangzhou 310030,Zhejiang,China.0086571-86217390

Vapour density No data available

Relative density No data available

Water solubility 8.17 g/l at 20 °C - soluble

Partition coefficient: noctanol/water No data available

Autoignition temperature No data available

Decomposition temperature No data available

Viscosity No data available

Explosive properties No data available

Oxidizing properties The product has been shown not to be oxidizing in a test following Directive 67/548/EEC (Method A17, Oxidizing properties).

9.2 Other safety information

Surface tension 30.65 mN/m at 20 °C

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Sulphur oxides, Sodium oxides



杭州洁汉化工有限公司 GIHI CHEMICALS CO., LIMITED

ADD:Huacai International Building,Sandun,Westlake District,Hangzhou 310030,Zhejiang,China.0086571-86217390

Other decomposition products - No data available

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - male and female - > 3,000 mg/kg

(OECD Test Guideline 401)

LD50 Dermal - Rabbit - male - > 10,000 mg/kg

(OECD Test Guideline 402)

Skin corrosion/irritation

Skin - Rabbit

Result: Irritating to skin. - 4 h

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Risk of serious damage to eyes. - 72 h

(OECD Test Guideline 405)

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

Ames test

S. typhimurium

Result: negative

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.



杭州洁汉化工有限公司 GIHI CHEMICALS CO., LIMITED

ADD:Huacai International Building,Sandun,Westlake District,Hangzhou 310030,Zhejiang,China.0086571-86217390

Reproductive toxicity

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

Repeated dose toxicity - Rat - male and female - No observed adverse effect level - 750 mg/kg

RTECS: WN0525000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish LC50 - Danio rerio (zebra fish) - 49 mg/l - 96 h
(Directive 67/548/EEC, Annex V, C.1.)

Toxicity to daphnia and other aquatic invertebrates
static test EC50 - Daphnia magna (Water flea) - 10.3 mg/l - 48 h
(Directive 67/548/EEC, Annex V, C.2.)

Toxicity to algae static test EC50 - Desmodesmus subspicatus (green algae) - 39.3mg/l - 72 h
(Directive 67/548/EEC, Annex V, C.3.)

Toxicity to bacteria Growth inhibition - Pseudomonas putida - 164 mg/l - 16 h
(DIN 38 412 Part 8)

12.2 Persistence and degradability

Biodegradability aerobic - Exposure time 28 d



杭州洁汉化工有限公司

GIHI CHEMICALS CO., LIMITED

ADD:Huacai International Building,Sandun,Westlake District,Hangzhou 310030,Zhejiang,China.0086571-86217390

Result: 91.2 % - Readily biodegradable.

(OECD Test Guideline 310)

12.3 Bioaccumulative potential

Bioaccumulation Oncorhynchus mykiss (rainbow trout) - 72 h- 5.5 µg/l(Docusate sodium)

Bioconcentration factor (BCF): 3.78

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

Harmful to aquatic life.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name



杭州洁汉化工有限公司 GIHI CHEMICALS CO., LIMITED

ADD:Huacai International Building,Sandun,Westlake District,Hangzhou 310030,Zhejiang,China.0086571-86217390

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: No

IMDG Marine pollutant: No

IATA: No

14.6 Special precautions for user

No data available

15. REGULATORY INFORMATION

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 and GHS.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out.

16. OTHER INFORMATION

MSDS Creation Date:05/12/2020

Revision #0 Date: Original

Further information

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.



杭州洁汉化工有限公司
GIHI CHEMICALS CO., LIMITED

ADD:Huacai International Building,Sandun,Westlake District,Hangzhou 310030,Zhejiang,China.0086571-86217390

Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.