

# Safety data sheet

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BASF Safety data sheet according to UN GHS 4th rev.

Date / Revised: 11.11.2016

Product: **Jordapon® SCI**

Version: 1.0

(ID no. 30671418/SDS\_GEN\_00/EN)

Date of print 05.01.2021

## 1. Identification

### Product identifier

## Jordapon® SCI

Chemical name: Fatty acids, coco, 2-sulfoethyl esters, sodium salts

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

Relevant identified uses: surfactants, cosmetic ingredient

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

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Operating Division Care Chemicals

Telephone: +49 211 7940-2222

E-mail address: emc-ehs-masterdata@basf.com

### Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

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## 2. Hazards Identification

### Classification of the substance or mixture

According to UN GHS criteria

Eye Dam./Irrit. 2A

Aquatic Acute 2

Aquatic Chronic 3

For the classifications not written out in full in this section the full text can be found in section 16.

## Label elements

### Globally Harmonized System (GHS)

Pictogram:



Signal Word:  
Warning

Hazard Statement:

H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
H401	Toxic to aquatic life.

Precautionary Statements (Prevention):

P280	Wear eye/face protection.
P273	Avoid release to the environment.
P264	Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P311	If eye irritation persists: Call a POISON CENTER or doctor/physician.

Precautionary Statements (Disposal):

P501	Dispose of contents/container to hazardous or special waste collection point.
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## Other hazards

According to UN GHS criteria

Fine dust can form an inflammable mixture together with air.

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## 3. Composition/Information on Ingredients

### Substances

Chemical nature

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Fatty acids, coco, 2-sulfoethyl esters, sodium salts

CAS Number: 61789-32-0

EC-Number: 263-052-5

For the classifications not written out in full in this section the full text can be found in section 16.

### **Mixtures**

Not applicable

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## **4. First-Aid Measures**

### **Description of first aid measures**

If adverse health effects develop seek medical attention.

If inhaled:

Keep patient calm, remove to fresh air.

On skin contact:

Wash thoroughly with soap and water.

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention if necessary.

On ingestion:

Rinse mouth and then drink plenty of water.

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

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

Hazards: No hazard is expected under intended use and appropriate handling.

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

Treatment: Treat symptomatically.

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## **5. Fire-Fighting Measures**

### **Extinguishing media**

Suitable extinguishing media:

water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:

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carbon dioxide

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

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### **Advice for fire-fighters**

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## **6. Accidental Release Measures**

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

Use personal protective clothing. Avoid dust formation.

### **Environmental precautions**

Do not discharge into drains/surface waters/groundwater.

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

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

Dispose of absorbed material in accordance with regulations.

### **Reference to other sections**

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

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## **7. Handling and Storage**

### **Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid dust formation. Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame.

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

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE)

Further information on storage conditions: Keep container tightly closed and dry; store in a cool place.

**Specific end use(s)**

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

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**8. Exposure Controls/Personal Protection****Control parameters**Components with occupational exposure limits

No occupational exposure limits known.

**Exposure controls**Personal protective equipment

Respiratory protection:

Suitable respiratory protection for higher concentrations or long-term effect: Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures

Handle in accordance with good industrial hygiene and safety practice. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

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**9. Physical and Chemical Properties****Information on basic physical and chemical properties**

Form:	powder, prills
Colour:	white
Odour:	mild, solvent-like, of polyol
Odour threshold:	not determined
pH value:	4,5 - 7,5 (water, 10 %(m))

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Melting point:	approx. 200 °C	
Boiling point:	> 149 °C (1.013 hPa)	
Flash point:	> 101 °C	(ASTM D93)
Evaporation rate:	The product is a non-volatile solid.	
Flammability:	not flammable	
Flammability of Aerosol Products:	not applicable, the product does not form flammable aerosoles	
Lower explosion limit:	For solids not relevant for classification and labelling.	
Upper explosion limit:	For solids not relevant for classification and labelling.	
Ignition temperature:	not determined	
Vapour pressure:	< 1,3 hPa (25 °C)	
Density:	not determined	
Relative vapour density (air):	The product is a non-volatile solid.	
Solubility in water:	moderately soluble	
Partitioning coefficient n-octanol/water (log Kow):	< -1,8	(measured)
Self ignition:	not applicable	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	not applicable, the product is a solid	
Viscosity, kinematic:	not applicable, the product is a solid	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	

**Other information**Bulk density: approx. 470 kg/m<sup>3</sup>Miscibility with water:  
moderately soluble

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.  
No further information available.**10. Stability and Reactivity****Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

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Corrosion to metals: No corrosive effect on metal.

### **Chemical stability**

The product is stable if stored and handled as prescribed/indicated.

### **Possibility of hazardous reactions**

The product may contain explosive fine dust or such dust may be produced by abrasion during transport or product transfer.

### **Conditions to avoid**

See MSDS section 7 - Handling and storage.

### **Incompatible materials**

Substances to avoid:

No substances known that should be avoided.

### **Hazardous decomposition products**

Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

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## **11. Toxicological Information**

### **Information on toxicological effects**

#### Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single ingestion.

Experimental/calculated data:

LD50 rat (oral): > 2.000 mg/kg (OECD Guideline 401)

LC50 rat (by inhalation):

not determined

LD50 rat (dermal):

not determined

#### Irritation

Assessment of irritating effects:

Eye contact causes irritation.

May cause slight irritation to the skin. Based on available Data, the classification criteria are not met.

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Experimental/calculated data:

Skin corrosion/irritation rabbit: non-irritant (similar to OECD guideline 404)

Serious eye damage/irritation rabbit: Irritant. (OECD Guideline 405)

#### Respiratory/Skin sensitization

Assessment of sensitization:

Skin sensitizing effects were not observed in animal studies.

Experimental/calculated data:

Buehler test guinea pig: Non-sensitizing.

#### Germ cell mutagenicity

Assessment of mutagenicity:

No mutagenic effect was found in various tests with bacteria and mammalian cell culture.

#### Carcinogenicity

Assessment of carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect.

#### Reproductive toxicity

Assessment of reproduction toxicity:

The results of animal studies gave no indication of a fertility impairing effect. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Developmental toxicity

Assessment of teratogenicity:

No indications of a developmental toxic / teratogenic effect were seen in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Specific target organ toxicity (single exposure)

Assessment of STOT single:

Based on available Data, the classification criteria are not met.

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

The information available on the product provides no indication of toxicity on target organs after repeated exposure.

#### Aspiration hazard



No aspiration hazard expected.

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## 12. Ecological Information

### Toxicity

Assessment of aquatic toxicity:  
Acutely toxic for aquatic organisms.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish:  
LC50 (96 h) > 10 - 100 mg/l, *Oncorhynchus mykiss* (OECD 203; ISO 7346; 84/449/EEC, C.1, semistatic)  
The details of the toxic effect relate to the nominal concentration.

Aquatic invertebrates:  
EC50 (48 h) > 10 - 100 mg/l, *Daphnia magna* (OECD Guideline 202, part 1)  
The details of the toxic effect relate to the nominal concentration.

Aquatic plants:  
EC50 (72 h) > 1 - 10 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201, static)  
The statement of the toxic effect relates to the analytically determined concentration.

EC10 (72 h) > 0,1 - 1 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201, static)  
The statement of the toxic effect relates to the analytically determined concentration.

Microorganisms/Effect on activated sludge:  
EC50 (180 min) > 1.000 mg/l, activated sludge, domestic (OECD Guideline 209, aquatic)  
The details of the toxic effect relate to the nominal concentration.

### Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Readily biodegradable (according to OECD criteria).

Elimination information:  
70 - 80 % CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301D; EEC 92/69, C.4-E)  
(aerobic, activated sludge, domestic)

### Bioaccumulative potential

Assessment bioaccumulation potential:

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Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Bioaccumulation potential:  
Accumulation in organisms is not to be expected.

### **Mobility in soil**

Assessment transport between environmental compartments:  
Volatility: The substance will not evaporate into the atmosphere from the water surface.  
Adsorption in soil: Adsorption to solid soil phase is possible.

### **Results of PBT and vPvB assessment**

According to Annex XIV of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria. Self classification

### **Other adverse effects**

The substance is not listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

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## **13. Disposal Considerations**

### **Waste treatment methods**

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:  
Uncontaminated packaging can be re-used.  
Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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## **14. Transport Information**

### **Land transport**

ADR

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable

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Special precautions for user      None known

**RID**

UN number:                      Not classified as a dangerous good under transport regulations  
UN proper shipping name:      Not applicable  
Transport hazard class(es):    Not applicable  
Packing group:                  Not applicable  
Environmental hazards:         Not applicable  
Special precautions for user    None known

**Inland waterway transport****ADN**

UN number:                      Not classified as a dangerous good under transport regulations  
UN proper shipping name:      Not applicable  
Transport hazard class(es):    Not applicable  
Packing group:                  Not applicable  
Environmental hazards:         Not applicable  
Special precautions for user:   None known

**Transport in inland waterway vessel**

Not evaluated

**Sea transport****IMDG**

UN number:                      Not classified as a dangerous good under transport regulations  
UN proper shipping name:      Not applicable  
Transport hazard class(es):    Not applicable  
Packing group:                  Not applicable  
Environmental hazards:         Not applicable  
Special precautions for user    None known

**Air transport****IATA/ICAO**

Not classified as a dangerous good under transport regulations

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UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

### **UN number**

See corresponding entries for "UN number" for the respective regulations in the tables above.

### **UN proper shipping name**

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

### **Transport hazard class(es)**

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

### **Packing group**

See corresponding entries for "Packing group" for the respective regulations in the tables above.

### **Environmental hazards**

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

### **Special precautions for user**

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

### **Transport in bulk according to Annex II of MARPOL and the IBC Code**

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

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## **15. Regulatory Information**

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

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## 16. Other Information

Information on intended use: This product is of industrial quality and unless otherwise specified or agreed intended exclusively for industrial use. This includes the mentioned and recommended usage. Any other intended applications should be discussed with the manufacturer. In particular this concerns the application for products that are the object of special standards and regulations.

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Eye Dam./Irrit.	Serious eye damage/eye irritation
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

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