Product Name SUCCINIC ANHYDRIDE FOR SYNTHESIS

Part Number RXSOL-60-6605-620

Company Details:

irritation

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### 2. Composition / Information on ingredients

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Chemical Name CAS EC number Weight Formula
Succinic anhydride 108-30-5 203-570-0 1.306 mg/l - dust/mist
(OECD Test Guideline 403)
Remarks: (highest

Remarks: (highest concentration to be prepared) Symptoms: Possible damages:, Irritation symptoms in the respiratory tract. LD50 Dermal - Rabbit - female - 20.000 mg/kg (OECD Test Guideline 402)

Skin corrosion/irritation Skin - In vitro study Result:

Corrosive - 1 h (OECD Test

Guideline 431)

Serious eye damage/eye Eyes - Rabbit Result:

Corrosive - 18 - 24 h

Remarks: (ECHA) Remarks:

Risk of blindness!

Respiratory or skin Local lymph node assay

sensitization (LLNA) - Mouse Result:

positive (OECD Test

Guideline 429)

Toxicity to Animal WARNING: THE LC50

VALUES HEREUNDER ARE ESTIMATED ON THE Acute oral toxicity (LD50): 689 mg/kg [Rat].

Toxic Effects on Human May cause damage to the

following organs: upper respiratory tract. Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, sensitizer), of ingestion, of inhalation (lung irritant, lung

sensitizer).

Carcinogenicity - No

carcinogenic properties

suspected. (IUCLID)

Germ cell mutagenicity

Test Type: sister chromatid exchange assay Test system: Chinese hamster ovary cells Metabolic activation: with and without metabolic activation Method: OECD Test Guideline 473 Result: negative

Reproductive toxicity

Presumed human reproductive toxicant

Special Remarks on other Acute Toxi Effects on Humans Effects

Potential Health Effects: Skin: Causes skin irritation. May cause skin sensitization, an allergic reation, which becomes evident upon re-exposure to this material. Eyes: Causes eye irritation. Ingestion: gastrointestinal Causes (digestive) tract irritation with nausea, vomiting, and diarrhea. May be harmful if swallowed. Inhalation: Causes respiratory tract irritation. May cause chemical pneumonitis and edema, pulmonary inflammation, edema of bronchi and larynx. Chronic Potential Health Effects: Repeated or prolonged skin exposure may cause allergic reactions in sensitive individuals. Repeated or prolonged exposure by inhalation may affect respiration and metabolism.

Additional Information

RTECS: AF3675000 Gastrointestinal disturbance To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. After uptake of large quantities: muscular symptoms agitation Convulsions Headache Tremors Nausea psychoses

Endocrine di properties

disrupting The substance/mixture does contain components considered to have endocrine disrupting properties according to REACH Article or Commission 57(f) Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Repeated dose toxicity - Rat - male and female - Oral - 13 Weeks burning sensation, Cough, wheezing, laryngitis,

Shortness of breath, spasm,

inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 12. Ecological information

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Persistence and degradability

Toxicity to fish

Toxicity to daphnia and other aquatic invertebrates

Toxicity to algae

Products Biodegradation

Mobility in soil

Results of PBT and vPvB assessment

Endocrine disrupting properties

Other adverse effects

Biodegradability aerobic - Exposure time 28 d Result: 96,55 % - Readily biodegradable. (OECD Test Guideline 301E)

Semi-static test LC50 - Danio rerio (zebra fish) - > 100 mg/l - 96 h (OECD Test Guideline 203)

Semi-static test EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (OECD Test Guideline 202)

Static test ErC50 - Pseudokirchneriella subcapitata (green algae) -> 100 mg/l - 72 h (OECD Test Guideline 201) static test NOEC - Pseudokirchneriella subcapitata (green algae) - 100 mg/l - 72 h (OECD Test Guideline 201)

The methods for determining the biological degradability are not applicable to inorganic substances.

No Information available

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.

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Biological effects: Harmful effect due to pH shift. Discharge into the environment must be avoided.

## 13. Disposal considerations

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Disposal methods

Contaminated packaging

Waste treatment Method

The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

# 14. Transport information

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UN number ADR/RID: 3261 IMDG: 3261 IATA: 3261

UN proper shipping name

ADR/RID:CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (succinic

acid anhydride)

IMDG:CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (succinic

acid anhydride)

IATA: CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (succinic

acid anhydride)

Transport hazard class(es)

ADR/RID: 8 IMDG: 8 IATA: 8

Packaging group

ADR/RID: II IMDG: II IATA: II

Environmental hazards

ADR/RID: No IMDG: No IATA: No

Special precautions for user Tunnel restriction code : (C/E)

Further information Not classified as dangerous in the meaning of transport regulations.

Transport in bulk according to IMOinstruments

No data available

## 15. Regulatory information

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Inventory status

S26/28 In case of contact eyes & skin, rinse with plenty water and seek medical advice Section 312/313: Not listed. Not listed under California proposition 65.

Safety, health and environmental regulations/legislation specific for the This material safety data sheet complies with the requirements of

substance or mixture

Safety, health and environmental regulations specific for the product in European Inventory of Existing Commercial Chemical Substances question (EINECS) -Listed.EC Inventory Listed. United States Toxic Substances

National legislation

Other regulations

Chemical Safety Assessment

Regulation (EC) No. 1907/2006

Components are on the following inventories: Polymaleic acid: - US TSCA, Canadian DSL, EU EINECS, Australian AICS, Korean, Philippine PICCS and Chinese Xi irritant R 36/38 Irritant to eyes & skin R 41 Risk of serious damage to eyes \$24/25 Avoid contact with skin and eyes

European Inventory of Existing Commercial Chemical Substances (EINECS) -Listed.EC Inventory Listed. United States Toxic Substances Control Act (TSCA) Inventory- Listed. China Catalog of Hazardous chemicals 2015 Not- Listed. New Zealand Inventory of Chemicals (NZIoC)Listed. PICCS -Listed. Vietnam National Chemical Inventory -Listed. IECSC Listed. Korea Existing Chemicals List (KECL) -Listed.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : OXIDISING LIQUIDS AND SOLIDS : ENVIRONMENTAL HAZARDS

Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work.

A Chemical Safety Assessment has been carried out for this substance.

#### 16. Other information

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Other Information

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