

Safety Data Sheet in accordance with Regulation (EU) 1907/2006 as amended



Locron S fla

0025

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Substance key: SXR020939

Revision Date: 18.06.2024

Version : 2 - 5 / EU

Date of printing : 14.03.2025

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

1.1. Product identifier

Trade name

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Material number: 102515

CAS number : 12042-91-0

EC number : 234-933-1

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

Relevant identified uses of the substance or mixture

Industry sector : Textile processing industry

Personal Care

Type of use : Auxiliary for the textile industry

Waste water treatment

Flocculating agent

1.3. Details of the supplier of the safety data sheet

Identification of the company

ARCHROMATURKEY Kimya Sanayi

ve Ticaret Ltd. Şti.

Gebze Organize Sanayi Bölgesi İhsan Dede Cad. No:124 Gebze

41480 Kocaeli / TURKEY

Telephone no. : +90 262 672 12 12

Information about the substance/mixture

e-mail: PS.MSDS-Europe@archroma.com

1.4. Emergency telephone number

+49 69 2222 5285, +33 1 7211 0003 (24 h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according CLP regulation (Regulation (EC) No. 1272/2008, as amended)

Not a hazardous substance or mixture.

2.2. Label elements

Labelling according CLP regulation (Regulation (EC) No. 1272/2008, as amended)

Not a hazardous substance or mixture.

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2.3. Other hazards

Potential dust explosion hazard.

No additional hazards are known except those derived from the labelling.

Contains no components identified as PBT or vPvB with a content $\geq 0,1$ %

Contains no component identified as having Endocrine disrupting properties with a content $\geq 0,1$ %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

aluminum hydroxy chloride, basic, fine flakes $Al_2(OH)_5Cl \cdot 2-3 H_2O$

CAS number : 12042-91-0

EC number: 234-933-1

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove/Take off immediately all contaminated clothing.

After inhalation

If inhaled, remove to fresh air.

After contact with skin

In case of contact, immediately flush skin with soap and plenty of water.

After contact with eyes

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

After ingestion

Call in a physician immediately and show him the Safety Data Sheet.

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

Symptoms

The possible symptoms known are those derived from the labelling (see section 2).

Hazards

No additional hazards are known except those derived from the labelling.

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

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Treatment

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Not combustible.

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

5.2. Special hazards arising from the substance or mixture

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Hydrogen chloride

5.3. Advice for firefighters

Special protective equipment for firefighting

Self-contained breathing apparatus

Full protective suit

Further information

Cool endangered containers with water spray jet.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Do not disperse powdered product in air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing.

6.2. Environmental precautions

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

The product should not be allowed to enter drains, water courses or the soil.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Rinse away rest with water.

6.4. Reference to other sections

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Additional information

Information regarding Safe handling, see chapter 7.
For personal protection see section 8.
Information regarding Waste Disposal, see chapter 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures necessary if stored and handled as prescribed.

Hygiene measures

Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

No special measures necessary.

Dust explosion class : not tested.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Keep only in the original container.

Advice on storage compatibility

Avoid storage near incompatible agents (see section 10).
Do not store or transport together with foodstuffs

Further information on storage conditions

Keep container dry.

Storage stability

Stable at normal ambient temperature and pressure.

7.3. Specific end use(s)

No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Exposure limit values are not available.

DNEL/DMEL values

Dialuminium chloride pentahydroxide
EC number: 234-933-1
CAS number : 12042-91-0

| Route of exposure | Personnel | Exposure time/Effect | Value | Remarks |
|-------------------|-----------|----------------------------|-----------------------|---------|
| Inhalation | Workers | Long-term systemic effects | 6,8 mg/m ³ | |

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| | | | | |
|-------------|-----------|----------------------------|------------|----------------------|
| Inhalation | Workers | Acute systemic effects | | No hazard identified |
| Inhalation | Workers | Long-term local effects | | No hazard identified |
| Inhalation | Workers | Acute local effects | | No hazard identified |
| Dermal | Workers | Long-term systemic effects | 1,94 mg/kg | |
| Dermal | Workers | Acute systemic effects | | No hazard identified |
| Dermal | Workers | Long-term local effects | | No hazard identified |
| Dermal | Workers | Acute local effects | | No hazard identified |
| Eye contact | Workers | Local effects | | No hazard identified |
| Inhalation | Consumers | Long-term systemic effects | 1,7 mg/m3 | |
| Inhalation | Consumers | Acute systemic effects | | No hazard identified |
| Inhalation | Consumers | Long-term local effects | | No hazard identified |
| Inhalation | Consumers | Acute local effects | | No hazard identified |
| Dermal | Consumers | Long-term systemic effects | 0,97 mg/kg | |
| Dermal | Consumers | Acute systemic effects | | No hazard identified |
| Dermal | Consumers | Long-term local effects | | No hazard identified |
| Dermal | Consumers | Acute local effects | | No hazard identified |
| Oral | Consumers | Long-term systemic effects | 1,2 mg/kg | |
| Oral | Consumers | Acute systemic effects | | No hazard identified |
| Eye contact | Consumers | Local effects | | No hazard identified |

PNEC values

Dialuminium chloride pentahydroxide

EC number: 234-933-1

CAS number : 12042-91-0

| Environmental compartment | Personnel/Exposure time/Effect | Value |
|---------------------------|--------------------------------|-------|
| Fresh water | No exposure expected | |
| Marine water | No exposure expected | |
| Fresh water sediment | No exposure expected | |
| Marine sediment | No exposure expected | |
| Sewage treatment plant | No exposure expected | |
| Air | No exposure expected | |
| Soil | No exposure expected | |
| Secondary Poisoning | No exposure expected | |

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8.2. Exposure controls

Appropriate engineering controls

Local ventilation recommended - mechanical ventilation may be used.

General protective measures

Observe the usual precautions for handling chemicals.

Ensure that eyewash stations and safety showers are close to the workstation location.

Avoid contact with skin and eyes.

Do not breathe dust.

Respiratory protection : Effective dust mask

Hand protection : Chemical resistant gloves
Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Eye protection : Safety glasses

Body protection : Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|------------------------------------|---------------------------------------|
| Physical state : | solid |
| Form : | flakes |
| Colour : | white |
| Odour : | odourless |
| Odour threshold : | not available |
| : | not available |
| : | not available |
| Flammability : | not determined |
| Lower explosion limit : | Not applicable |
| Upper explosive limit : | Not applicable |
| Flash point : | Not applicable |
| Ignition temperature : | Not applicable |
| Self-ignition temperature : | not available |
| Thermal decomposition : | > 100 °C Method : Thermogravimetry |
| pH value : | approx. 4 - 4,4 (20 °C, 150 g/l) |
| Viscosity (kinematic) : | Not applicable |
| Viscosity (dynamic) : | Not applicable |

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| | |
|--|---|
| Solubility in water : | approx. 500 g/l (20 °C) |
| Octanol/water partition coefficient (log Pow) : | This property is not applicable for mixtures. |
| Vapour pressure : | Not applicable |
| Density : | approx. 1,9 g/cm ³ (20 °C) |
| Bulk density : | approx. 400 - 600 kg/m ³ |
| Relative Density: | approx. 1,9 (20 °C) |
| Vapour density relative to air : | Not applicable |
| Particle size : | not available |

9.2. Other information

| | |
|----------------------------------|--|
| Explosive properties : | Explosive according transport regulation : Not explosive Method : Expert judgement |
| Oxidizing properties : | Type of oxidizing effect : The substance or mixture is not classified as oxidizing. Method : Expert judgement |
| Evaporation rate : | Not applicable |
| Minimum ignition energy : | not available |
| Surface tension : | Not applicable |

SECTION 10: Stability and reactivity

10.1. Reactivity

See section 10.3. "Possibility of hazardous reactions"

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.
Potential dust explosion hazard.
Stable

10.4. Conditions to avoid

Keep away from heat.
Keep away from open flames, hot surfaces and sources of ignition.

10.5. Incompatible materials

not known

10.6. Hazardous decomposition products

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Hydrogen chloride

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information related to the product itself:

| | |
|--|--|
| Acute oral toxicity : | LD50 > 2.000 mg/kg (Rat) Method : OECD Test Guideline 401 |
| Acute dermal toxicity : | LD50 > 2.000 mg/kg (Rat) Method : OECD Test Guideline 402 |
| Acute inhalation toxicity : | not available |
| Irritant effect on skin : | No skin irritation (Rabbit) Method : OECD Test Guideline 404 |
| Irritant effect on eyes : | No eye irritation (rabbit eye) Method : OECD Test Guideline 405 |
| Sensitization : | No sensitisation effects are known |
| Repeated dose toxicity: | not available |
| Genetic toxicity in vitro : | not available |
| Carcinogenicity : | not available |
| Developmental toxicity/teratogenicity : | not available |
| Toxicity to reproduction/fertility : | not available |
| Specific target organ toxicity (STOT) - single exposure : | not available |
| Specific target organ toxicity (STOT) - repeated exposure : | not available |
| Aspiration hazard : | No data available |

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Information related to the product itself:

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.

11.2.2. Other information

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Remarks

none

SECTION 12: Ecological information

12.1. Toxicity

Information related to the product itself:

Fish toxicity : LC50 100 - 500 mg/l (96 h, Danio rerio (zebra fish))
Method : OECD Test Guideline 203

Daphnia toxicity : not available

Algae toxicity : not available

Bacteria toxicity : EC50 > 1.000 mg/l
Method : fermentation tube test

12.2. Persistence and degradability

Information related to the product itself:

Physico-chemical eliminability : not available

Biodegradability : not available

12.3. Bioaccumulative potential

Information related to the product itself:

Bioaccumulation: No information is available on the mixture "as is". If relevant information is available on the substances listed in Chapter 3, it is reported here.

12.4. Mobility in soil

Information related to the product itself:

Transport and distribution between environmental compartments : No information is available on the mixture "as is". If relevant information is available on the substances listed in Chapter 3, it is reported here.

Behaviour in environmental compartments

not available

12.5. Results of PBT and vPvB assessment

Information related to the product itself:

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No information is available on the mixture "as is". If relevant information is available on the substances listed in Chapter 3, it is reported here.

12.6. Endocrine disrupting properties

Information related to the product itself:

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.

12.7. Other adverse effects

Information related to the product itself:

Additional ecotoxicological remarks

The product should not be allowed to enter drains, water courses or the soil.

Avoid release to the environment.

Product does not contain any organic bound Halogens which could lead to AOX-values.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product

In accordance with local authority regulations take to special waste disposal site

Uncleaned packaging

Consider recycling.

Composition

Al; O; H; Cl

SECTION 14: Transport information

Section 14.1. to 14.5.

| | |
|------|----------------|
| ADR | not restricted |
| ADN | not restricted |
| RID | not restricted |
| IATA | not restricted |
| IMDG | not restricted |

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7. Maritime transport in bulk according to IMO instruments

No transport as bulk according IBC - Code.

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SECTION 15: Regulatory information

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

Other regulations

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

15.2. Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

SECTION 16: Other information

Observe national and local legal requirements

Legend

| | |
|--------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| AOX | Adsorbable organic bound halogens |
| CAS | Chemical Abstracts Service |
| DMEL | Derived Minimal Effect Level (genotoxic substances) |
| DNEL | Derived No Effect Level |
| EC50 | Half maximal effective concentration |
| GHS | Globally Harmonized System |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Lethal Concentration 50% |
| LD50 | Lethal Dose 50% |
| MARPOL | International Convention for the Prevention of Pollution From Ships |
| NOAEC | No Observed Adverse Effect Concentration |
| NOAEL | No Observed Adverse Effect Level |
| NOEC | Non Observed Effect Concentration |
| OEL | Occupational Exposure Limit |
| PBT | Persistent, Bioaccumulative, Toxic |
| PEC | Predicted Environmental Concentration |
| PNEC | Predicted No Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | International Rule for Transport of Dangerous Substances by Railway |
| SVHC | Substances of Very High Concern |
| vPvB | very Persistent and very Bioaccumulative |

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. Archroma makes no warranties, express or

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