

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



Rongalit C p

0025

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Substance key: B0083

Revision Date: 04.12.2024

Version : 1 - 7 / EU

Date of printing : 03.03.2025

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

1.1. Product identifier

Trade name

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Material number: 281181

CAS number :

149-44-0

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

Type of use :

Auxiliary for the textile industry

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)

| Hazard class | Hazard category | H-phrases |
|------------------------|-----------------|--|
| Germ cell mutagenicity | Category 2 | Suspected of causing genetic defects. |
| Reproductive toxicity | Category 2 | Suspected of damaging fertility. Suspected of damaging the unborn child. |

2.2. Label elements

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

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Hazard pictograms



Signal word
Warning

Hazard statements

H341

Suspected of causing genetic defects.

H361fd

Suspected of damaging fertility. Suspected of damaging the unborn child.

EUH032

Contact with acids liberates very toxic gas.

Precautionary statements

P201

Obtain special instructions before use.

P202

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

P280

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

P308 + P313

IF exposed or concerned: Get medical advice/ attention.

P405

Store locked up.

P501

Dispose of contents/ container to an approved waste disposal plant.

2.3. Other hazards

See section 12 - Results of PBT and vPvB assessment.

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

Sodium hydroxymethanesulphinate

CAS number :

149-44-0

Hazardous ingredients

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sodium carbonate

Concentration : $\geq 1 - < 5 \%$

CAS number : 497-19-8

EC number: 207-838-8

Index Number 011-005-00-2

REACH - Registration number according to article 20(3): 01-2119485498-19-0115

GHS classification EC

| | | |
|----------------|------------|------|
| Eye irritation | Category 2 | H319 |
|----------------|------------|------|

The text of the H-phrases is shown in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Move out of dangerous area.

After inhalation

Remove person to fresh air. If signs/symptoms continue, get medical attention.

After contact with skin

Take off contaminated clothing and shoes immediately.

After contact with skin, wash immediately with plenty of soap and water.

Get medical attention immediately if irritation persists.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses.

Get medical attention immediately.

After ingestion

Rinse mouth with water.

Do NOT induce vomiting.

Call a physician immediately.

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

Symptoms

Overexposure may cause:

Nausea

Vomiting

Diarrhea.

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

Water

Carbon dioxide (CO₂)

Dry powder

Foam

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

Extinguishing media that must not be used for safety reasons

None known.

5.2. Special hazards arising from the substance or mixture

The product is not flammable.

In case of fire hazardous decomposition products may be produced such as:

Sulphur dioxide (SO₂)

Carbon monoxide

Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for firefighting

Self-contained breathing apparatus

Further information

Do not allow run-off from fire fighting to enter drains or water courses.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

Wear full protective clothing and self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas.

Avoid dust formation.

Wear personal protective equipment.

Do not breathe dust.

6.2. Environmental precautions

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Should not be released into the environment.
Do not allow to enter drains or waterways
Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

6.3. Methods and material for containment and cleaning up

Dike spillage.
Dispose of in accordance with local regulations.
Rinse with plenty of water.

6.4. Reference to other sections

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

Use plant protection products safely. Always read the label and product information before use.
Avoid dust formation.
Keep away from food and drink.
Smoking, eating and drinking should be prohibited in the application area.
Wash thoroughly after handling.

Hygiene measures

Wash hands before breaks and at the end of workday.
Use protective skin cream before handling the product.
Take off immediately all contaminated clothing and wash it before reuse.
Do not eat, drink or smoke when using this product.
Observe the usual precautions for handling chemicals.

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

Keep away from food, drink and animal feeding stuffs.
Incompatible with oxidizing agents.
Incompatible with acids.

Further information on storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place.

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Storage stability

Storage temperature: ≤ 40 °C
Humidity requirements: Protect from moisture.
Keep away from heat.
Keep away from direct sunlight.

7.3. 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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Exposure limit values are not available.

DNEL/DMEL values

DNEL/DMEL values are not available.

PNEC values

PNEC values are not available.

8.2. Exposure controls

Appropriate engineering controls

Local ventilation recommended - mechanical ventilation may be used.

General protective measures

Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection :

In case of formation of dust:
Respirator with a dust filter
P2 filter
P3 filter

Hand protection :

Nitrile rubber
Minimum breakthrough time / gloves : > 480 min
Minimum thickness / gloves 0,11 mm
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).
The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

Eye protection :

Safety glasses with side-shields conforming to EN166

Body protection :

Wear suitable protective equipment.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

| | |
|--|---|
| Physical state : | solid |
| Form : | powder |
| Colour : | white |
| Odour : | characteristic |
| Odour threshold : | not available |
| start of decomposition : | approx. 51 °C Method : OECD Test Guideline 102 |
| Boiling point : | Decomposition |
| Flammability : | The product is not flammable. Method : EU A.10 |
| Lower explosion limit : | Not applicable |
| Upper explosive limit : | Not applicable |
| Flash point : | > 100 °C |
| Ignition temperature : | Not applicable |
| Self-ignition temperature : | not auto-flammable |
| Thermal decomposition : | > 165 °C |
| pH value : | 10 (100 g/l) Method : DIN 53785 |
| Viscosity (kinematic) : | Not applicable |
| Viscosity (dynamic) : | Not applicable |
| Solubility in water : | 1.088 g/l of very high solubility |
| Solubility/qualitative : | insoluble, Organic Solvents, fat soluble with diluted acids |
| Octanol/water partition coefficient (log Pow) : | ca.3,4 Method : estimated |
| Vapour pressure : | 2,68 mPa (20 °C) |
| Density : | approx. 1,744 g/cm ³ Method : OECD Test Guideline 109 |
| Bulk density : | approx. 1.000 kg/m ³ Method : DIN 53466 |
| Relative Density: | 1,744 Method : OECD Test Guideline 109 |
| Vapour density relative to air : | Not applicable |
| Particle size : | not available |

9.2. Other information

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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

Corrosion of metals Not corrosive to metals

Evaporation rate : No data available

Minimum ignition energy : not available

Surface tension : Not applicable

Further information

If necessary, information on other physical and chemical parameters is indicated in this section.

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

Reactions with acids and strong oxidising agents.
Contact with acids liberates toxic gas.
Hazardous polymerisation does not occur.

10.4. Conditions to avoid

Exposure to air.

10.5. Incompatible materials

Oxidizing agents
Strong acids

10.6. Hazardous decomposition products

Contact with strong acids liberates sulphur dioxide.
Hydrogen sulfide (H₂S)
Formaldehyde
Toxic gases/vapours

SECTION 11: Toxicological information

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

Information related to the product itself:

| | |
|--|--|
| Acute oral toxicity : | Acute toxicity estimate > 5.000 mg/kg Method : Calculation method |
| 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 (Rat) Method : OECD Test Guideline 402 |
| Irritant effect on eyes : | No eye irritation (Rabbit) Method : OECD Test Guideline 405 |
| Sensitization : | Does not cause skin sensitisation. (Guinea pig) Method : OECD Test Guideline 406 |
| Repeated dose toxicity: | Repeated Dose Toxicity (subchronic study) Route of application: Oral NOAEL: 600 mg/kg (Rat) Method : OECD Test Guideline 408 |
| Genetic toxicity in vivo : | Micronucleus test Mouse (NMRI, male and female) Intraperitoneal injection Method : OECD Test Guideline 474 positive |
| Genetic toxicity in vitro : | Test type : Ames test Metabolic activation : with and without metabolic activation Result : negative Method : OECD Test Guideline 471 Test type : In vitro gene mutation study in mammalian cells Metabolic activation : with and without metabolic activation Result : positive Method : OECD Test Guideline 476 |
| Assessment of mutagenicity : | Positive results from in vitro mammalian mutagenicity assays, chemical structure activity relationship to known germ cell mutagens |
| Developmental toxicity/teratogenicity : | Route of application: Oral NOAEL (maternal): 300 mg/kg (Rat) Method : OECD Test Guideline 414 |
| Toxicity to reproduction/fertility : | NOAEL parent: 1.000 mg/kg (Rat) Method : OECD Test Guideline 422 |
| Assessment of toxicity to reproduction : | Some evidence of adverse effects on development, based on animal experiments., Some evidence of adverse effects on sexual function and fertility, based on animal experiments. |
| Specific target organ toxicity (STOT) - single exposure : | not available |

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Specific target organ toxicity (STOT) - repeated exposure : not available

Aspiration hazard :
No data available

Information related to the component: sodium carbonate

Acute oral toxicity :
LD50 4.090 mg/kg (Rat)
LD50 6.600 mg/kg (Mouse)
LD50 2.800 mg/kg (Rat)

Acute dermal toxicity :
LD50 2.210 mg/kg (Rabbit)
LD50 > 2.000 mg/kg (Rabbit)

Acute inhalation toxicity : LC50 2.875 mg/l (4 h, Rat)

Irritant effect on skin : No skin irritation
Method : OECD Test Guideline 404

Irritant effect on eyes : Irritation to eyes, reversing within 21 days

Sensitization : Does not cause skin sensitisation.

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

Remarks

none

SECTION 12: Ecological information

12.1. Toxicity

Information related to the product itself:

Fish toxicity : LC50 > 10.000 mg/l (96 h, Leuciscus idus (Golden orfe))
Method : DIN 38412

Fish toxicity (chronic) : NOEC 13,5 mg/l (35 d, Danio rerio (zebra fish))
Method : OECD Test Guideline 210

Daphnia toxicity : EC50 > 100 mg/l (48 h, Daphnia magna Straus)
Method : OECD Test Guideline 202

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|---|--|
| Daphnia toxicity (chronic) : | NOEC 5,6 mg/l (21 d, Daphnia magna (Water flea)) Method : OECD Test Guideline 211 |
| Algae toxicity : | EC50 (Growth rate) 370 mg/l (72 h, Desmodesmus subspicatus (Scenedesmus subspicatus)) Method : OECD Test Guideline 201 EC50 (Biomass) 220 mg/l (72 h, Desmodesmus subspicatus (Scenedesmus subspicatus)) Method : OECD Test Guideline 201 |
| Bacteria toxicity : | EC50 > 1.000 mg/l (4 h, activated sludge of a predominantly domestic sewage) Method : ISO DIS 9509 |
| Sediment toxicity : | NOEC 0,041 mg/l |
| Information related to the component: sodium carbonate | |
| Fish toxicity : | LC50 300 mg/l (96 h, Lepomis macrochirus (Bluegill sunfish)) LC50 320 mg/l (96 h, Lepomis macrochirus (Bluegill sunfish)) LC50 740 mg/l (96 h, Gambusia affinis (Mosquito fish)) |
| Daphnia toxicity : | EC50 265 mg/l (48 h, Daphnia magna (Water flea)) EC50 200 mg/l (48 h, Daphnia magna (Water flea)) |

12.2. Persistence and degradability

Information related to the product itself:

| | |
|---|--|
| Physico-chemical eliminability : | not available |
| Biodegradability : | 77 % (28 d) Readily biodegradable. Method : OECD Test Guideline 301B |
| Chemical oxygen demand (COD) : | approx. 490 mg/g |
| Biochemical oxygen demand (BOD5) : | approx. 14 mg/g Method : 92/69/EC (L383) C.5 * Degradability - biochemical oxygen demand 5 d |

12.3. Bioaccumulative potential

Information related to the product itself:

| | |
|-------------------------|--|
| Bioaccumulation: | Bioconcentration factor (BCF): 3,16 The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (Cesar models), etc. |
|-------------------------|--|

12.4. Mobility in soil

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Information related to the product itself:

Transport and distribution between environmental compartments : Adsorption/Soil (Soil)
log Koc : -5,565
Method : OECD Test Guideline 121

Behaviour in environmental compartments
not available

12.5. Results of PBT and vPvB assessment

Information related to the product itself:

The substance is not identified as a PBT or as a vPvB substance.

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

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product

Dispose of in accordance with local regulations.
The product should not be allowed to enter drains, water courses or the soil.
Do not dispose of with domestic refuse.

Uncleaned packaging

Packaging that cannot be cleaned should be disposed of as product waste

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 |

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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.

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

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

SECTION 16: Other information

Observe national and local legal requirements

List of the text of the hazard statements mentioned section 3 (H-phrases) :

H319 Causes serious eye irritation.

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 |

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| | |
|-------|--|
| 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 |

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