

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



78406 Siccative No. 203

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Revised edition: 23.11.2021

Version: 1.0

Printed: 17.12.2021

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Siccative No. 203
Article No.: 78406
UFI: 5560-P0E9-F00W-S9UC

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:
Drier

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG
Address: Hauptstr. 41-47, 88317 Aichstetten, Germany
Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606
Internet: www.kremer-pigmente.com
EMail: info@kremer-pigmente.com
Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Skin sensitization, hazard category 1
Serious eye damage, hazard category 1
Reproductive toxicity, hazard category 1B
H317 May cause an allergic skin reaction.
Cat.: 1
H318 Causes serious eye damage.
Cat.: 1
H360Fd Suspected of damaging fertility. May damage the unborn child.
Cat.: 1B

Possible Environmental Effects:

See Section 12.

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

Hazard designation:

GHS05-2

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GHS07

GHS08

Signal word:

Danger

Hazard designation:

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H360Fd Suspected of damaging fertility. May damage the unborn child.

Safety designation:

P201 Obtain special instructions before use.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P280 Wear protective gloves/ clothing/ eye/ face protection.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing.
P308+P313 If exposed or concerned: Get medical advice/attention.
P310 Immediately call a poison center or physician.
P333+P313 If skin irritation or rash occurs: Get medical attention.

Hazardous components for labelling:

Contains: Barium bis(2-ethylhexanoate), Cobalt[bis(2-ethylhexanoate)]

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Mixture of cobalt, barium and zinc carboxylates dissolved in white spirit (max. 2% aromatic content)

Information on Components / Hazardous Ingredients:

Hydrocarbons, C10-C13, n-Alkanes, Isoalkanes, Cyclenes, < 2% Aromatics (Asp. Tox. 1-H304); REACH Reg. No. 01-2119457273-39	30 - 50 %	CAS-Nr: (64742-48-9) EINECS-Nr: 918-481-9 EC-Nr:
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2-Ethylhexanoic acid (Repr. 2; H361d); Reg.-Nr. 01-2119488942-23	3 - 10 %	CAS-Nr: 149-57-5 EINECS-Nr: 205-743-6 EC-Nr: 607-230-00-6
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Barium bis(2-ethylhexanoate) (Acute Tox. 4-	20 - 30 %	CAS-Nr: 2457-01-4
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H302-318-332-361d); REACH Reg. No. 01-2119983179-22

EINECS-Nr: 219-535-8

EC-Nr: 056-002-00-7

Cobalt [bis(2-ethylhexanoate)] (Skin Sens. 1A, H317; Eye Irrit. 2, H319; Repr. 1B, H360F; Aqu. Acute 1, H400; Aqu. Chron. 3, H412); REACH Reg.-Nr. 01-2119524678-29

2.5 - 10 %

CAS-Nr: 136-52-7

EINECS-Nr: 205-250-6

EC-Nr:

Hexanoic acid, 2-ethyl-, zinc salt, basic (Eye Irrit.2, Aqu.Chron., H319-361d-412); REACH Reg. No. 01-2119979093-30

10 - 20 %

CAS-Nr: 85203-81-2

EINECS-Nr: 286-272-3

EC-Nr:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

After inhalation:

*Supply fresh air and seek medical advice in case of complaints.
In case of unconsciousness place patient stable in side position for transportation.*

After skin contact:

Remove contaminated clothing immediately. Wash off immediately with plenty of water and soap.

After eye contact:

Small splashes in the eyes can cause irreversible tissue lesions and blindness.

In case of eye contact, thoroughly rinse with water and consult a doctor. Remove contact lens.

Remove contact lens.

Protect unharmed eye.

Continue flushing during transport to hospital.

In case of continued complaints consult a specialist.

After ingestion:

Keep airways free.

Do not induce vomiting.

Do not give milk or alcoholic beverages to drink.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

Can cause allergic reactions.

Eye contact: causes serious eye damage.

Effects:

May damage fertility. May damage the unborn child.

Indication of any Immediate Medical Attention and special Treatment needed

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4.3. *Treatment:*
Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Carbon dioxide (CO₂)

Unsuitable extinguishing media:

Never apply a strong water jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Do not let extinguishing water enter the sewerage system or water courses.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and protective clothing.

Further information:

Cool closed containers exposed to fire with water mist.

Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear appropriate protective equipment. Keep spectators away.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soil, drains and surface waters.

Contact local authorities if product pollutes soil or vegetation.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Contain with absorbent material (sand, earth, vermiculite or diatomaceous earth) and collect in appropriate containers for disposal.

6.4. Reference to other Sections

Protective clothing, see Section 8.

Dispose of contaminated material according to Section 13.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

The usual precautionary measures are to be adhered to when handling chemicals.

Provide adequate ventilation.

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*Do not inhale vapors or mist.
Avoid contact with eyes, skin and clothing.*

Hygienic measures:

*Pregnant women and women of childbearing age should avoid contact with this product.
Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Keep away from foodstuffs and drinks.
Wash hands before breaks and after work.*

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a cool and well ventilated location.

Requirements for storage areas and containers:

*Store the product in the original container.
Avoid pollution of soil.
Close open containers with care and store in an upright position to avoid spilling.
Place bottle on a metal shell in the case of accidental spillage.*

Information on fire and explosion protection:

*Do not spray on flames or glowing bodies.
Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge.
Electrical installations / working materials must comply with the technological safety standards.*

Storage class:

6.1 C; Combustible, acute toxic cat. 3 / toxic products (TRGS 510)

Further Information:

7.3. Specific End Use(s)

Further information:

See Section 1.2.; no other uses provided

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics: TWA: 300 mg/m³

Parameters to be controlled:

Belgium:

2-Ethylhexanoic acid (CAS 149-57-5): TWA 5 mg/m³

Ireland:

2-Ethylhexanoic acid (CAS 149-57-5): TWA: 4 mg/m³

Italy:

2-Ethylhexanoic acid (CAS 149-57-5): TWA 5 mg/m³

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Poland:

Hydrocarbons, C10-C13, n-Alkanes, Isoalkanes, Cyclenes, < 2% aromatics: TWA: 300 mg/m³

Portugal:

2-Ethylhexanoic acid (CAS 149-57-5): TWA 5 mg/m³

Spain:

2-Ethylhexanoic acid (CAS 149-57-5): TWA 5 mg/m³

Switzerland:

Cobalt bis(2-ethylhexanoate) (CAS 136-52-7): TWA: 0.05 mg/m³

Hydrocarbons, C10-C13, n-Alkanes, Isoalkanes, Cyclenes, < 2% aromatics: TWA: 300 mg/m³

Czech Republic:

Hydrocarbons, C10-C13, n-Alkanes, Isoalkanes, Cyclenes, < 2% aromatics: TWA: 200 mg/m³

Denmark:

Hydrocarbons, C10-C13, n-Alkanes, Isoalkanes, Cyclenes, < 2% aromatics: MAK: 25 ppm

Estonia:

Hydrocarbons, C10-C13, n-Alkanes, Isoalkanes, Cyclenes, < 2% aromatics: 300 mg/m³, 50 ppm

Sweden:

Hydrocarbons, C10-C13, n-Alkanes, Isoalkanes, Cyclenes, < 2% aromatics: TWA: 150 mg/m³, 25 ppm

EU. Occupational Exposure Limits stated in Directive 91/332/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EC

Barium bis(2-ethylhexanoate) (CAS 136-52-7): TWA (EU): 0.5 mg/m³

Derived No-Effect Level (DNEL):

No values available.

Predicted No-Effect Concentration (PNEC):

No values available.

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Ensure adequate ventilation, especially in confined areas.

Personal Protection

General protective measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work. Store protective clothing separately.

Respiratory protection:

Required in case of insufficient ventilation.

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Nitrile rubber (NBR), polyvinyl chloride (PVC).

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Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective clothing, chemical resistant.

Environmental precautions:

Contact local authorities if large spillages cannot be contained.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>liquid</i>
<i>Color:</i>	<i>violet</i>
<i>Odor:</i>	<i>like hydrocarbons</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>5.5 (10 %)</i>
<i>Melting temperature:</i>	<i>not available</i>
<i>Boiling temperature:</i>	<i>180°C (356°F)</i>
<i>Flash point:</i>	<i>61°C (141.8°F)</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>not available</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>1.5 hPa (20°C)</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>0.97 g/cm³ (20°C)</i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</i>
<i>Auto-ignition temperature:</i>	<i>No information available.</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	

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not applicable

Explosive properties:

not available

Oxidizing properties:

no information available

Bulk density:

not determined

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

> 20.5 mm²/s (40°C)

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

None if used according to specifications.

Vapors in combination with air can form an explosive compound.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid heat, open fire and other ignition sources.

Thermal decomposition:

Avoid heat.

10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

None known.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

> 2000 mg/kg

Barium bis(2-ethylhexanoate): The component is slightly toxic after single ingestion.

LD50, dermal:

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	<i>No information available.</i>
<i>LC50, inhalation:</i>	<i>> 20 mg/l (4h)</i> <i>Barium bis(2-ethylhexanoate): The component is slightly toxic after inhalation.</i>
<i>Primary effects</i>	
<i>Irritant effect on skin:</i>	<i>Highly corrosive and destructive to tissue.</i> <i>Barium bis(2-ethylhexanoate): highly corrosive and destructive to tissue</i>
<i>Irritant effect on eyes:</i>	<i>May cause irreversible damage to the eyes.</i> <i>Barium bis(2-ethylhexanoate): may cause irreversible eye damage</i> <i>Hexanoic acid, 2-ethyl-, zinc salt, basic: irritating to eyes</i> <i>Cobalt bis(2-ethylhexanoate): irritating to eyes</i>
<i>Inhalation:</i>	<i>No irritant effect known.</i>
<i>Ingestion:</i>	<i>No information available</i>
<i>Sensitization:</i>	<i>May cause allergic skin reactions.</i> <i>Cobalt bis(2-ethylhexanoate): The product is a skin sensitizer, sub-category 1A</i>
<i>Mutagenicity:</i>	<i>No relevant data found.</i>
<i>Reproductive toxicity:</i>	<i>May damage fertility. Suspected of damaging the unborn child.</i> <i>Barium bis(2-ethylhexanoate): Suspected human reproductive toxicant. Suspected of damaging the unborn child.</i> <i>Hexanoic acid, 2-ethyl-, zinc salt, basic: Suspected human reproductive toxicant. Suspected of damaging the unborn child.</i> <i>2-Ethylhexanoic acid: Suspected human reproductive toxicant. Suspected of damaging the unborn child.</i> <i>Cobalt bis(2-ethylhexanoate): Presumed human reproductive toxicant. May damage fertility. Suspected of damaging the unborn child.</i>
<i>Carcinogenicity:</i>	<i>No relevant data found.</i>
<i>Teratogenicity:</i>	<i>No information available.</i>
<i>Specific target organ toxicity (STOT):</i>	<i>Single exposure: Not classified based on available information.</i> <i>Repeated exposure: Not classified based on available information.</i>
<i>Additional toxicological information:</i>	<i>Aspiration hazard:</i> <i>Hydrocarbons, C10-C13, n-Alkanes, Isoalkanes, Cyclenes, < 2%</i> <i>next page: 10</i>

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Aromatics: May be fatal if swallowed and enters airways.

12. Ecological Information

12.1. Aquatic Toxicity

Hexanoic acid, 2-ethyl-, zinc salt, basic:

Harmful for aquatic organisms, with long-term adverse effects.

Cobalt bis(2-ethylhexanoate):

Acute aquatic toxicity: very toxic to aquatic organisms.

Chronic aquatic toxicity: Harmful for aquatic organisms, with long-term adverse effects.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12.2. Persistency and Degradability

No information available.

12.3. Bioaccumulation

2-Ethylhexanoic acid: log POW 2.64

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP 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

Water hazard class:

3, hazardous

Behaviour in sewage systems:

Further ecological effects:

Toxic to water organisms.

Endocrine Disrupting Properties:

This substance/mixture does not contain any components with endocrine disrupting properties in a percentage of 0.1 or greater, according to Article 57(f) of the REACH Regulation (EC) No. 1907/2006 or the Delegated Regulation (EC) 2017/2100 or the Delegated Regulation (EC) 2018/605.

AOX Value:

No data available.

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

Avoid the contamination of drains, watercourses or the soil. To not contaminate ponds, waterways or ditches with chemicals or used container.

Dispose with a licensed waste disposal company. next page: 11

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European Waste Code (EWC):

Waste codes should be assigned by the user based on the application for which the product was used.

Uncleaned packaging:

Contaminated packaging must be disposed like the substance. Do not burn, or use a cutting torch on, the empty drum.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

not applicable

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14.5. Environmental Hazards

None

14.6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

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14.8. Further Information

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

3, very hazardous for water (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Seveso-III Directive (2012/18/EU):

Petroleum products: a) gasolines and naphthas; b) kerosines (including jet fuels); c) gas oils (including diesel fuels, home heating oils and gas oil blending streams); d) heavy fuel oils; e) alternative fuels serving the same purposes and with similar properties as regards flammability and environmental hazards as the products referred to in points a) to d).

Employment restrictions:

Pregnant women should not work with this product even if the risk of exposition is low. Classification and labelling of the product according to the EC Regulation 1272/2008 (CLP). This safety data sheet complies to Directive 1907/2006/EU in the amended version. When working with chemicals, national laws have to be observed. According to the Youth Employment Protection Law (94/33/EC), young workers under 18 are not permitted to work with this product.

Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles, Registered no. 3

The product underlies the sales restrictions of the Chemical Prohibition Ordinance.

Technical instructions on air quality:

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

15.3. Further Information

Regulation (EC) 850/2004 - Persistent organic pollutants and amending Directive 79/117/EEC: not regulated / not applicable

Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable

Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable

EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable

Contains a substance which is listed as a carcinogenic, mutagenic or toxic for reproduction (TRGS 905): Cobalt bis(2-ethylhexanoate) (CAS 136-52-7)

Directive 2010/75/EC on Industrial Emissions (VOC): not applicable

Listed in the following inventories:

TSCA (US), AICS (AUS), DSL (CA), ENCS/ISHL (JP), KECI (KR), PICCS (PH), NZIoC (NZ), INV (CH), INV (CN), TCSI (TW)

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16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.