

Material Safety Data Sheet
acc. to ISO/DIS 11014

Version: 018

Reviewed on 12/04/2009

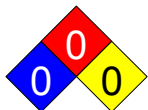
1 Identification of substance

- **Product details**
- **Trade name:** Carbona stain devils Rust & Perspiration no. 9
- **Formulation-no.:** 22032004
- **Application of the substance / the preparation:** Special cleaning agent
- **Manufacturer/Supplier:**
delta pronatura
Kurt-Schumacher-Ring 15-17
63329 Egelsbach
Germany

Telefon: int +49-(0)6103-4045-0
Fax: int +49-(0)6103-4045-190
- **Distributor:**
Delta Carbona L.P.
376 Hollywood Ave., Suite 208
Fairfield, NJ 07004
telephone: (973)808-6260
fax: (973)8008-5661
- **Information department:** see supplier or distributor
- **Emergency information:** Emergency toll free 1 888 746 5599

2 Hazards identification

- **Hazard description** not applicable
- **Information pertaining to particular dangers for man and environment**
No hazards to be particularly mentioned. Please note the information of this Material Safety Data Sheet.
- **Classification system**
The classification was made according to the latest editions of international substances lists, and expanded using company data and specialized literature.
- **NFPA ratings (scale 0-4)**



Health = 0
Fire = 0
Reactivity = 0

3 Composition/Data on components

- **Chemical characterization**
- **Description:** Aqueous solution of special active agents:
- **Dangerous components:**

CAS: 5949-29-1	citric acid, monohydrate	< 2.5%
RTECS: GE 7350000		
CAS: 144-62-7	oxalic acid	< 2.5%
RTECS: RO 2450000		
- **TSCA**
All components are listed.



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4 First aid measures

- **General information:**
Immediately remove any clothing soiled by the product.
If symptoms persist or in case of doubt seek medical advice.
- **After inhalation:**
Supply fresh air.
Seek medical treatment in case of complaints.
- **After skin contact:**
Wash with plenty of water immediately after skin contact.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
Seek medical treatment.
- **After swallowing:**
Rinse mouth with water.
Drink plenty of water, but never give anything to an unconscious person.
Do not induce vomiting
Seek medical treatment.
- **Information for doctor:**
- **Treatment:** Symptomatic treatment

5 Fire fighting measures

- **Suitable extinguishing agents:**
Water spray
Fire-extinguishing powder
Carbon dioxide
- **For safety reasons unsuitable extinguishing agents:** Water with full jet.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
In case of fire, the following can be released:
Carbon monoxide (CO)
Carbon dioxide
In certain fire conditions, traces of other toxic gases cannot be excluded.
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
Wear chemical protective clothing
- **Additional information:**
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Person-related safety precautions:**
Ensure adequate ventilation
Avoid contact with eyes and skin.
Particular danger of slipping on leaked/spilled product.
- **Measures for environmental protection:**
Do not allow product to reach sewage system or any water course.
Do not allow to penetrate the ground/soil.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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Send for recovery or disposal in suitable receptacles.

· **Additional information:**

See Section 8 for information on personal protection equipment.
See Section 7 for information on safe handling
See Section 13 for disposal information.

7 Handling and storage

· **Handling**

· **Information for safe handling:**

No special precautions are necessary if used correctly.
Avoid contact with eyes and skin.

· **Information about protection against explosions and fires:** No special measures required.

· **Storage**

· **Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.
Provide acid-resistant floor.

· **Information about storage in one common storage facility:** Store away from oxidizing agents.

· **Further information about storage conditions:** None.

· **Specific applications** Follow the directions!

8 Exposure controls and personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

· **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Personal protective equipment**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Do not eat, drink, smoke or sniff while working.

Immediately remove all soiled and contaminated clothing

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Use skin protection cream for skin protection.

The following instructions regarding the protective equipment refer to the industrial use of larger quantities.

All protective equipment used shall be according to 29 CFR.1910 Subpart I Personal Protective Equipment

· **Breathing equipment:** Not required.

· **Protection of hands:**

Chemical resistant gloves

To avoid skin problems reduce the wearing of gloves to the required minimum.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

After use of gloves apply skin-cleaning agents and skin cosmetics.

· **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

· **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Safety glasses

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- **Body protection:** Not required.

9 Physical and chemical properties

· General Information

Form: Fluid
Color: Colorless
Odor: Odorless

· Change in condition

Melting point/Melting range: undetermined
Boiling point/Boiling range: undetermined

- **Flash point:** > 100°C (> 212°F)
- **Self ignition temperature:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 20°C (68°F):** ~ 1.0 g/cm³
- **Solubility in / Miscibility with Water:** Miscible
- **pH-value at 20°C (68°F):** 1.54
in delivery state

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** Heating may lead to bursting of receptacles.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:** Carbon monoxide

11 Toxicological information

- **Acute toxicity**
- **LD/LC50 values that are relevant for classification:** No toxicity data are available for the product itself.
- **Primary irritant effect:**
 - **on the skin:** No irritant effect.
 - **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information**
Due to the low acid reserve value (< 1,0 %) and results of corresponding in vitro tests this product has not been classified as "corrosive" or "irritant" in spite of the extreme pH value of < 2.

12 Ecological information

- **Information about elimination (persistence and degradability):**
- **Other information:** The product has not been tested.
- **Behavior in environmental systems**
- **Mobility and bioaccumulation potential:** The product has not been tested.
- **Ecotoxic effects**
- **Acquatic toxicity:** Presently there are no ecotoxicological values available.

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- **Remark:** The product has not been tested.
- **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product**
- **Recommendation:** Disposal according to instructions of local authorities.
- **Uncleaned packagings**
- **Recommendation:** Packagings that cannot be cleansed are to be disposed of in the same manner as the product.
- **Recommended cleansing agent:** water

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** No hazardous material according to the regulations
- **Maritime transport IMDG**
- **IMDG Class:** No hazardous material according to the regulations
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR**
- **ICAO/IATA Class:** No hazardous material according to the regulation

15 Regulations

- **Carcinogen categories**
- **EPA (Environmental Protection Agency)**
void
- **IARC (International Agency for Research on Cancer)**
void
- **NTP (National Toxicology Program)**
void
- **TLV (Threshold Limit Value established by ACGIH)**
void
- **MAK (German Maximum Workplace Concentration)**
void
- **NIOSH-Ca (National Institute for Occupational Safety and Health)**
void
- **OSHA-Ca (Occupational Safety & Health Administration)**
void
- **Markings according to EU guidelines:**
Observe the general safety regulations when handling chemicals
Although this product is not subject to identification regulations, we recommend to observe the safety suggestions.
- **Safety phrases:**
Caution!
Keep out of the reach of children.
Avoid contact with skin and eyes.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed, seek medical advice immediately and show this container or label.

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- **National regulations**
- **Further information:**
Wash hands after use and use rubber gloves on sensitive or damaged skin.
Close after use.
- **Regulation or reporting requirements USA**
- **Sara section 355**
not listed
- **Sara section 313**
not listed
- **Prop. 65 - Cancer**
not listed

*** 16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Reasons for amendments:** General revision

- **Department issuing MSDS:**
KFT Chemieservice GmbH
Im Leuschnerpark. 3 D-64347 Griesheim
Postfach 1451 D-64345 Griesheim

Tel.: +49 6155 86829-0 Fax: +49 6155 86829-25

- **Contact:** Angelika Torges

- *** Data compared to the previous version altered.**

Changes have been made to chapters marked with a *, as compared to the previous version.

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