

**Material Safety Data Sheet**  
acc. to ISO/DIS 11014

Version: 01.1

reviewed on 03/17/2006

**1 Identification of substance:**

- **Product details:**
- **Trade name:** Carbona Color Run Remover
- **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 above
- **Emergency information:** Emergency toll free 1 888 746 5599

**2 Composition/Data on components:**

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:**

|                             |         |
|-----------------------------|---------|
| 7775-14-6 sodium dithionite | 50-100% |
| 497-19-8 sodium carbonate   | 25-50%  |
- **TSCA**  
All ingredients are listed.

**3 Hazards identification**

- **Hazard description:**  
Irritant
- **Information pertaining to particular dangers for man and environment**  
Contact with acids liberates toxic gas.  
Irritating to eyes.
- **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)**



**4 First aid measures**

- **General information** If symptoms persist or in case of doubt seek medical advice.

(Contd. on page 2)



delta pronatura

Page 2/6

## Material Safety Data Sheet acc. to ISO/DIS 11014

Version: 01.1

Reviewed on 03/17/2006

Trade name: **Carbona Color Run Remover**

(Contd. of page 1)

- **After inhalation**  
If used properly no harmful vapors are formed.  
If dust is inhaled supply fresh air; consult doctor in case of complaints.
- **After skin contact** Clean effected skin thoroughly with water and a mild cleansing agent. No residues shall remain on the skin.
- **After eye contact**  
Protect unharmed eye.  
First check the victim for contact lenses and remove if present.  
Rinse the eyes with open eyelids for 10 - 15 minutes with water. Then consult a doctor or better an eye specialist.
- **After swallowing**  
Rinse out mouth and then drink plenty of water.  
Never give anything by mouth to a unconscious person.  
Do not use acids or acidic substances as an antidot.  
Seek medical treatment.  
If babies/toddlers are concerned always consult a physician or the local Poison Information Centre.
- **Information for doctor**
- **The following symptoms may occur:** Irritation of eyes and mucious membrane.
- **Treatment** Symptomatic treatment

### 5 Fire fighting measures

- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Use fire fighting measures that suit the environment.
- **Special hazards caused by the material, its products of combustion or resulting gases:**  
Dangerous decomposition products see chapter 10: stability and reactivity
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**  
Use large quantities of foam as it is partially destroyed by the product.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental release measures

- **Person-related safety precautions:**  
Avid contact with eyes and skin.  
Wear protective clothing.  
Keep unprotected persons away.
- **Measures for environmental protection:**  
The following information refer to the leakage of large quantities:  
Do not allow product to reach sewage system or any water course.  
Do not allow to penetrate the ground/soil.
- **Measures for cleaning/collecting:** Pick up mechanically.

### 7 Handling and storage

- **Handling**
- **Information for safe handling:** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
Store receptacles tightly closed at a cool and dry place with sufficient ventilation
- **Information about storage in one common storage facility:**  
Do not store together with acids.  
Store away from foodstuffs.  
Store away from feed.  
Keep out of reach of children.

(Contd. on page 3)

USA



delta pronatura

Page 3/6

## Material Safety Data Sheet acc. to ISO/DIS 11014

Version: 01.1

Reviewed on 03/17/2006

Trade name: **Carbona Color Run Remover**

(Contd. of page 2)

- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class** 11 Combustible solids
- **Specific applications** Follow the instructions for safe handling and use!

### 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.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures for handling chemicals should be followed.  
Avoid close or long term contact with the skin.  
Avoid contact with the eyes.  
The following instructions regarding the protective equipment refer to the industrial use of larger quantities.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Do not inhale dust / smoke / mist.  
Avoid contact with the eyes and skin.  
Do not eat or drink while working.  
Use skin protection cream for skin protection.  
Be sure to clean skin thoroughly after work and before breaks.  
Provide eye wash facility.  
All protective equipment used shall be according to 29 CFR.1910 Subpart I Personal Protective Equipment
- **Breathing equipment:** Not required.
- **Protection of hands:**  
For consumers normally not necessary (single sachet). If contact with product or its dilutions cannot be avoided use of protection gloves is recommended.  
Industrial use:  
Wear chemically resistant protective gloves (tested according to DIN EN 374)  
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**  
For alkaline solutions:  
Polychloroprene rubber (CR)  
Nitrile rubber, NBR  
Butyl rubber, BR  
Fluorocarbon rubber (FKM)  
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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **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:** Tightly sealed goggles.
- **Body protection:** Protective work clothing.

### 9 Physical and chemical properties:

#### · General Information

|               |                                    |
|---------------|------------------------------------|
| <b>Form:</b>  | Solid.                             |
| <b>Color:</b> | According to product specification |
| <b>Odor:</b>  | Characteristic                     |

(Contd. on page 4)  
— USA —



delta pronatura

Page 4/6

## Material Safety Data Sheet acc. to ISO/DIS 11014

Version: 01.1

Reviewed on 03/17/2006

Trade name: **Carbona Color Run Remover**

(Contd. of page 3)

- **Change in condition**
  - Melting point/Melting range:** undetermined
  - Boiling point/Boiling range:** undetermined
- **Flash point:** Not applicable
- **Auto igniting:** 170-180° C
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density:** Not determined
- **Bulk density at 20°C (68°F):** ~ 1100 kg/m<sup>3</sup>
- **Solubility in / Miscibility with Water:** Largely soluble
- **pH-value (10 g/l) at 20°C (68°F):** ~ 10

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
- **Materials to be avoided:** Acids
- **Dangerous reactions** Contact with acids releases toxic gases
- **Dangerous products of decomposition:**  
In the case of fire or at high temperatures the formation of the following decomposition products is possible:  
Carbon monoxide and carbon dioxide  
Sulfur oxides (SO<sub>x</sub>)  
Nitrogen oxides (NO<sub>x</sub>)

### 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**  
**7775-14-6 sodium dithionite**  
Oral LD<sub>50</sub> 2500 mg/kg (rat)  
**Carbona Color Run Remover**  
Oral LD<sub>50</sub> 2300 mg/kg (rat)
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:**  
Persons allergic to "sulfiting" agents, used to preserve some foods, may be more susceptible to the effects of sodium dithionite.
- **Additional toxicological information:**  
The product shows the following dangers according to internationally approved calculation methods for preparations:  
Irritant

### 12 Ecological information:

- **Information about elimination (persistence and degradability):**
- **Other information:**  
The main components sodium dithionite and sodium carbonate are not biologically degradable (inorganic substance).
- **Ecotoxicological effects:**
- **Acquatic toxicity:**  
**7775-14-6 sodium dithionite**  
EC<sub>50</sub>/48h 98 mg/l (daphnia magna)  
IC<sub>50</sub>/72h 120 mg/l (des)  
LC<sub>50</sub>/96h 46-68 mg/l (leuciscus idus)

(Contd. on page 5)

USA



delta pronatura

**Material Safety Data Sheet**  
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Reviewed on 03/17/2006

**Trade name: Carbona Color Run Remover**

(Contd. of page 4)

• **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Danger to drinking water is possible if large quantities leak into the ground or into water course.

**13 Disposal considerations**

• **Product:**

• **Recommendation**



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Disposal according to instructions of local authorities.

None of main ingredients is listed as material banned from land disposal according to RCRA.

• **Uncleaned packagings:**

• **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

• **DOT regulations:**

• **Hazard class:** No hazardous material according to the regulations

• **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

• **Transport/Additional information:**

The product has been tested regarding its self-heating properties and has been found not to meet the corresponding criteria of class 4.2 products provided that it is not transported in containers exceeding 3m<sup>3</sup>.

**15 Regulations**

• **Carcinogeny categories**

• **EPA (Environmental Protection Agency)**

void

• **IARC (International Agency for Research on Cancer)**

91-64-5 Coumarin: 3

• **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



delta pronatura

Page 6/6

**Material Safety Data Sheet**  
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Version: 01.1

Reviewed on 03/17/2006

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(Contd. of page 5)

· **Markings according to EU guidelines:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Code letter and hazard designation of product:**

Irritant

· **Hazard-determining components of labelling:**

sodium dithionite

· **Risk phrases:**

Contact with acids liberates toxic gas.

Irritating to eyes.

· **Safety phrases:**

Keep out of the reach of children.

Keep away from food, drink and animal feedingstuffs.

Keep away from acids

Avoid contact with eyes.

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

After contact with skin, wash immediately with plenty of water

If swallowed, seek medical advice immediately and show this container or label.

Dispose of this material and its container at hazardous or special waste collection point

· **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.

· **Department issuing MSDS:**

KFT-Chemieservice Marienstr. 3 D-64347 Griesheim

Postfach 1451 D-64345 Griesheim

Tel.: +49-6155-823241 Fax: +49-6155-823246

· **Contact:** Angelika Torges

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