

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

ΔΡΟΝΑΤΟΥΡΑ

Reviewed on 10/05/2009

## 1 Identification of substance

- **Product details**
- **Trade name:** Carbona oven cleaner
- **Formulation-no.:** 13122004
- **Application of the substance / the preparation:** Cleaning material/ Detergent
- **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 Hazards identification

- **Hazard description**  
Irritant
- **Information pertaining to particular dangers for man and environment**  
Irritating to eyes and skin.
- **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)**



- **Additional information:**  
This preparation is despite of the extreme ph-value of  $\geq 11,5$  not classified as corrosive with R 35 as irritant, since there are specific limits determined in Annex I of Directive 67/548/EEC for the corrosive components contained.  
Available test results warrant a classification as non-corrosive.

## 3 Composition/Data on components

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

126-92-1 Sulfuric acid, mono(2-ethylhexyl) ester, sodium salt	< 2.5%
1310-73-2 sodium hydroxide	< 2.5%
- **TSCA**  
All components are listed.



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#### 4 First aid measures

• **General information:**

Immediately remove any clothing soiled by the product.  
Be sure to show this safety data sheet, the packaging or the instructions for use to the physician.

• **After inhalation:**

In case of inhalative exposure to vapours/aerosols during processing:  
Supply fresh air; consult doctor in case of complaints.

• **After skin contact:**

Wash with water and soap and rinse carefully.  
If skin irritation continues, consult a doctor.

• **After eye contact:**

Rinse the eyes with open eyelids for 10 - 15 minutes with water. Then consult a doctor or better an eye specialist.

• **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:**

- **The following symptoms may occur:** Local irritation symptoms
- **Danger:** Caustic solutions may induce soaking and dissolution of the skin and mucous membranes (colliquation necrosis)
- **Treatment:** Symptomatic treatment

#### 5 Fire fighting measures

• **Suitable extinguishing agents:**

Water spray  
Fire-extinguishing powder  
Carbon dioxide  
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:**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.  
Collect contaminated fire fighting water separately. It must not enter the sewage system.

#### 6 Accidental release measures

• **Person-related safety precautions:**

Ensure adequate ventilation  
Particular danger of slipping on leaked/spilled product.  
Wear protective clothing.

• **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:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Send for recovery or disposal in suitable receptacles.

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· **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:**

- Open and handle receptacle with care.
- 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:** Provide alkali-resistant floor.

· **Information about storage in one common storage facility:**

- Store away from foodstuffs.
- Store away from feed.
- Do not store together with acids.
- Do not store together with ammonium salts.

· **Further information about storage conditions:**

- Keep receptacle tightly sealed.
- Protect from frost.

· **Storage class:** Non combustible liquids (VCI).

· **Specific applications** Please pay attention to the information on the label.

## 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.
- Clean skin thoroughly immediately after handling the product.
- The following instructions regarding the protective equipment refer to the industrial use of larger quantities.
- Use skin protection cream for skin protection.
- Provide eye wash facility.
- All protective equipment used shall be according to 29 CFR.1910 Subpart I Personal Protective Equipment

· **Breathing equipment:**

- Use suitable respiratory protective device only when aerosol or mist is formed.
- A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.
- Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

· **Protection of hands:**

- Chemical resistant gloves
- To avoid skin problems reduce the wearing of gloves to the required minimum.
- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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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

· **Body protection:** Protective work clothing.

## 9 Physical and chemical properties

· **General Information**

**Form:** Fluid  
**Color:** White  
**Odor:** Odorless

· **Change in condition**

**Melting point/Melting range:** undetermined

**Boiling point/Boiling range:** undetermined

· **Flash point:** Not applicable

· **Self ignition temperature:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** Not determined

· **Solubility in / Miscibility with Water:**

Miscible

· **pH-value at 20°C (68°F):** 12.9  
in delivery state

· **Solvent content:**

**VOC:** 0 %  
(Ca VOC)

## 10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.

· **Materials to be avoided:**

Acids  
Ammonium salts

· **Dangerous reactions**

Strong exothermic reaction with acids  
Reacts with ammonium salts forming ammonia(gas).

· **Dangerous products of decomposition:** No dangerous decomposition products known

## 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:** Irritant to skin and mucous membranes.

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- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information**  
Due to its extreme ph value the product was tested in "Human Skin Model Test" concerning possibly corrosive properties. Result: non-corrosive  
After swallowing: irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract.

## 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.
- **Ecotoxicological effects**
- **Acquatic toxicity:** Presently there are no ecotoxicological values available.
- **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:** Do not re-use empty packagings.

## 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

- **Carcinogeny 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

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· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

void

· **OSHA-Ca (Occupational Safety & Health Administration)**

void

· **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

· **Risk phrases:**

Ärritating to eyes and skin.

· **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.

· **National regulations**

· **Information about limitation of use:** Employment restrictions concerning juveniles must be observed.

· **Further information:** < 5 % anionic surfactants

· **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:**

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