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Material Safety Data Sheet acc. to ISO/DIS 11014

Version: 01

Reviewed on 06/01/2010

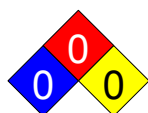
1 Identification of substance

- **Product details**
- **Trade name:** Carbona 2 in 1 Oxy-Powered Steam Carpet Cleaner
- **Formulation-no.:** 029-09
- **Application of the substance / the preparation:** Cleaning material/ Detergent
- **Manufacturer/Supplier:**
delta pronatura
Dr. Krauss & Dr. Beckmann KG
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** not applicable
- **Classification system** The classification is based on own toxicological test results.
- **NFPA ratings (scale 0-4)**



Health = 0
Fire = 0
Reactivity = 0

3 Composition/Data on components

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

126-92-1 Sulfuric acid, mono(2-ethylhexyl) ester, sodium salt	1-5%
69011-36-5 Poly(oxy-1,2-ethanediyl), a-tridecyl-w-hydroxy-, branched	< 1%
- **TSCA**
All components are listed.

4 First aid measures

- **General information:** If symptoms persist or in case of doubt seek medical advice.
- **After inhalation:** If used properly no harmful vapors are formed.

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- **After skin contact:** Wash with water.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
If symptoms persist consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Seek medical treatment.
- **Information for doctor:**
- **Treatment:** Symptomatic treatment

5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, 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:**
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:**
Avoid contact with eyes and skin.
Wear protective clothing.
Keep unprotected persons away.
Particular danger of slipping on leaked/spilled product.
- **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:**
Small quantities:
If spilled/leaked: absorb main quantity with cloth.
Large quantities:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Rinse residues with water.
Send for recovery or disposal in suitable receptacles.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
No special precautions are necessary if used correctly.
Avoid contact with eyes and skin.

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· **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

· **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:**

Store away from foodstuffs.

Store away from feed.

· **Further information about storage conditions:** Protect from frost.

· **Storage class:** 10 Combustible liquids

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.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

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:** Use suitable respiratory protective device only when aerosol or mist is formed.

· **Protection of hands:**

Chemical resistant gloves

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

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

If used properly not required for consumers.

· **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:** Goggles recommended during refilling.

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

9 Physical and chemical properties

· **General Information**

Form:	Fluid
Color:	Clear
Odor:	scented

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- **Change in condition**
 - Melting point/Melting range:** undetermined
 - Boiling point/Boiling range:** undetermined
- **Flash point:** Not applicable
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 20°C (68°F):** 1.01-1.02 g/cm³
- **Solubility in / Miscibility with Water:** Miscible
- **pH-value at 20°C (68°F):** 5.4-5.8

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
Conditions to be avoided: see chapter 7
- **Materials to be avoided:**
- **Dangerous reactions** No dangerous reactions known
- **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_x)

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**
A comparable formulation was tested and no eye irritating properties being relevant for classification could be found.

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**
- **Aquatic toxicity:** Presently there are no ecotoxicological values available.
- **Additional ecological information:**
- **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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13 Disposal considerations

- **Product**
- **Recommendation:**



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

In smaller packages and thinned solutions harmless to waste water and sewage plants.
Disposal according to instructions of local authorities.

- **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

15 Regulations

- **Cancerogenity 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

- **Markings according to EU guidelines:**

The product has been classified and marked in accordance with directives on hazardous materials.
Observe the general safety regulations when handling chemicals

Although this product is not subject to identification regulations, we recommend to observe the safety suggestions.

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· **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.

· **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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