



delta pronatura

Material Safety Data Sheet
acc. to ISO/DIS 11014

Version: 02

Reviewed on 11/21/2008

1 Identification of substance:

- **Product details:**
- **Trade name:** Carbona Stainless Steel Cleaner
- **Formulation-no.:** 30072007
- **Application of the substance / the preparation** Cleaning material/ Detergent
- **Manufacturer/Supplier:**
delta pronatura
Kurt-Schumacher-Ring 15-17
63329 Egelsbach
Germany

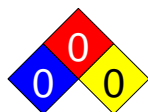
Telefon: int +49-(0)6103-4045-0
Fax: int +49-(0)6103-4045-190
- **Distributor:**
Delta Carbona L.P.
376 Hollywood Ave., Suite 208
Fairfield, NJ 07004
telephone: (973)808-6260
fax: (973)8008-5661
- **Information department:** see supplier or distributor
- **Emergency information:** Emergency toll free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

2 Composition/Data on components:

- **Chemical characterization**
- **Description:** Solution of special active agents
- **Dangerous components:**
CAS: 34590-94-8 (2-methoxymethylethoxy)propanol 2.5-10%
RTECS: JM 1575000
- **TSCA**
All ingredients are listed.

3 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

4 First aid measures

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



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- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **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.
If babies/toddlers are concerned always consult a physician or the local Poison Information Centre.
- **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.
Wear fully protective suit.
- **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.
- **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.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to penetrate the ground/soil.
In case of seepage into the ground inform responsible authorities.
- **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).
Clean the affected area carefully; suitable cleaners are:
warm water
Send for recovery or disposal in suitable receptacles.
- **Additional information:** See Section 8 for information on personal protection equipment.

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.

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- **Storage**
- **Requirements to be met by storerooms and receptacles:** Not required
- **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** Non combustible liquids (VCI).

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:**
34590-94-8 (2-methoxymethylethoxy)propanol
PEL 600 mg/m³, 100 ppm
Skin
REL Short-term value: 900 mg/m³, 150 ppm
Long-term value: 600 mg/m³, 100 ppm
Skin
TLV Short-term value: 909 mg/m³, 150 ppm
Long-term value: 606 mg/m³, 100 ppm
Skin
- **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.
Use skin protection cream for skin protection.
All protective equipment used shall be according to 29 CFR.1910 Subpart I Personal Protective Equipment
- **Breathing equipment:**
Not necessary if room is well-ventilated.
In case of unintentional release of substance, exceeding the occupational exposure limit value:
NIOSH/MSHA-approved respirator
- **Protection of hands:**
At longer contact: protective 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
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:**
Not required.
If large quantities are handled: safety glasses are recommended
- **Body protection:** Protective work clothing.

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9 Physical and chemical properties:

· General Information

Form: Fluid
Color: Blue
Odor: scented
citrus-like

· 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 at 20°C (68°F):** ~ 1.0 g/cm³

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

· **pH-value at 20°C (68°F):** 9.0
in delivery state

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.
To avoid thermal decomposition do not overheat.

· 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
Irritant gases/vapors

11 Toxicological information

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

No toxicity data are available for the product itself.
Due to the composition no relevant toxicity is expected.

· Primary irritant effect:

· **on the skin:** not determined

· **on the eye:** not determined

· **Sensitization:** No sensitizing effects known.

· Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The product is not subject to classification according to internally approved calculation methods for preparations.

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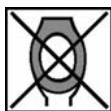
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12 Ecological information:

- **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.
- **General notes:**



Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

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.

- **Uncleaned packagings:**
- **Recommendation:**
Packagings that cannot be cleansed are to be disposed of in the same manner as the product.
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

- **Carcinogenicity categories**
- **EPA (Environmental Protection Agency)**
void
- **IARC (International Agency for Research on Cancer)**
5989-27-5 D-Limonene: 3

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· **NTP (National Toxicology Program)**

void

· **TLV (Threshold Limit Value established by ACGIH)**

64-17-5 ethanol: A4

76-22-2 bornan-2-one: A4

· **MAK (German Maximum Workplace Concentration)**

64-17-5 ethanol: 5

· **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.

· **National regulations**

· **Further information:** Wash hands after use and use rubber gloves on sensitive or damaged skin.

· **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 GmbH

Marienstr. 3 D-64347 Griesheim

Postfach 1451 D-64345 Griesheim

Tel.: +49-6155-823241

Fax: +49-6155-823246

· **Contact:** Angelika Torges

USA