

Material Safety Data Sheet
acc. to ISO/DIS 11014

Version: 03

Reviewed on 08/21/2009

1 Identification of substance

- **Product details**
- **Trade name:** **Carbona Stainless Steel Pro-Care**
- **Formulation-no.:** 01082007
- **Application of the substance / the preparation:** Metal surface treatment
- **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:** Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:**
CAS: 67-63-0 propan-2-ol 2.5-10%
RTECS: NT 8050000
- **TSCA**
All components are listed.

3 Hazards identification

- **Hazard description** not applicable
- **Information pertaining to particular dangers for man and environment** not applicable
- **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)

USA



delta pronatura

Page 2/6

Material Safety Data Sheet acc. to ISO/DIS 11014

Version: 03

Reviewed on 08/21/2009

Trade name: **Carbona Stainless Steel Pro-Care**

(Contd. of page 1)

- **After inhalation:**
Inhalation of product is unlikely.
In case of complaints possibly caused by vapours provide fresh air.
- **After skin contact:** Wash with water and soap.
- **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.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet.
- **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.
- **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).
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.
- **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.

(Contd. on page 3)

— USA —



delta pronatura

Page 3/6

Material Safety Data Sheet
acc. to ISO/DIS 11014

Version: 03

Reviewed on 08/21/2009

Trade name: Carbona Stainless Steel Pro-Care

(Contd. of page 2)

- **Further information about storage conditions:** None.
- **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:**
67-63-0 propan-2-ol
PEL 980 mg/m³, 400 ppm
REL Short-term value: 1225 mg/m³, 500 ppm
Long-term value: 980 mg/m³, 400 ppm
TLV Short-term value: 984 mg/m³, 400 ppm
Long-term value: 492 mg/m³, 200 ppm
BEI
- **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.
- **Breathing equipment:** Not required.
- **Protection of hands:**
For consumers normally not necessary. If direct contact with product or its dilutions cannot be avoided use of protective gloves is recommended.
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. 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:**
Not required.
If large quantities are handled: safety glasses are recommended
- **Body protection:** Not required.

9 Physical and chemical properties

- **General Information**

Form:	Fluid
Color:	Clear slightly yellowish
Odor:	Characteristic
- **Change in condition**

Melting point/Melting range:	undetermined
Boiling point/Boiling range:	undetermined
- **Flash point:** Not applicable

(Contd. on page 4)

— USA —



delta pronatura

Page 4/6

Material Safety Data Sheet
acc. to ISO/DIS 11014

Version: 03

Reviewed on 08/21/2009

Trade name: **Carbona Stainless Steel Pro-Care**

(Contd. of page 3)

- **Self ignition temperature:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 20°C (68°F):** 0.86 g/cm³
- **Solubility in / Miscibility with Water:** Emulsifiable

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.
- **Materials to be avoided:** Oxidants
- **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

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:** not determined
 - **on the eye:** not determined
- **Sensitization:** Sensitizing effect by skin contact is possible with prolonged exposure.
- **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.

12 Ecological information

- **Ecotoxicological effects**
- **Acquatic toxicity:** Presently there are no ecotoxicological values available.
- **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.

(Contd. on page 5)
— USA —



delta pronatura

Material Safety Data Sheet
acc. to ISO/DIS 11014

Version: 03

Reviewed on 08/21/2009

Trade name: Carbona Stainless Steel Pro-Care

(Contd. of page 4)

- **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

- **Cancerogenity categories**
- **EPA (Environmental Protection Agency)**
void
- **IARC (International Agency for Research on Cancer)**
67-63-0 propan-2-ol: 3

5989-27-5 D-Limonene: 3
- **NTP (National Toxicology Program)**
void
- **TLV (Threshold Limit Value established by ACGIH)**
67-63-0 propan-2-ol: A4
- **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
- **Safety phrases:**
Caution!
Keep out of the reach of children.
- **Regulation or reporting requirements USA**
- **Sara section 355**
not listed
- **Sara section 313**
67-63-0 propan-2-ol
- **Prop. 65 - Cancer**
not listed



delta pronatura

Page 6/6

Material Safety Data Sheet
acc. to ISO/DIS 11014

Version: 03

Reviewed on 08/21/2009

Trade name: Carbona Stainless Steel Pro-Care

(Contd. of page 5)

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
Im Leuschnerpark. 3 D-64347 Griesheim
Postfach 1451 D-64345 Griesheim

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

· **Contact:** Angelika Torges

— USA —