



Material Safety Data Sheet

acc. to ISO/DIS 11014

Version: 021

Reviewed on 12/04/2009

1 Identification of substance

- **Product details**
- **Trade name:** Carbona stain devils Glue, Gum & Nail Polish no. 1
- **Formulation-no.:** 014-08
- **Application of the substance / the preparation:** Special cleaning agent
- **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 Hazards identification

- **Hazard description** not applicable
- **Information pertaining to particular dangers for man and environment**
Highly flammable.
- **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 = 3
Reactivity = 0

3 Composition/Data on components

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

CAS: 64-17-5	ethanol	25-50%
RTECS: KQ 6300000		
CAS: 5274-68-0	3,6,9,12-Tetraoxatetracosan-1-ol	< 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.
If symptoms persist or in case of doubt seek medical advice.
- **After inhalation:**
Remove affected persons to fresh air and keep calm.
If symptoms persist consult a doctor.
- **After skin contact:**
Wash with plenty of water immediately after skin contact.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse the eyes with open eyelids for 10 - 15 minutes with water.
If symptoms persist consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Whether vomiting should be induced or not has to be decided by a doctor.
Call a doctor immediately.
- **Information for doctor:**
- **The following symptoms may occur:** See chapter 11
- **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.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
In case of fire, the following can be released:
Carbon monoxide (CO)
Carbon dioxide
In certain fire conditions, traces of other toxic gases cannot be excluded.
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
Wear chemical protective clothing
- **Additional information:**
Cool endangered receptacles with water spray.
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
Wear protective clothing.
Do not smoke - keep ignition sources away
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **Measures for environmental protection:**
The following information refer to the leakage of large quantities:

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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 non-combustible material like sand, soil, diatomite.
Send for recovery or disposal in suitable receptacles.

· **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:**

Use solvent-proof equipment.
Ensure good ventilation/exhaustion at the workplace.

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



Keep ignition sources away - Do not smoke.

Fumes can combine with air to form an explosive mixture.
Flammable gas-air mixtures may be formed in empty receptacles.

· **Storage**

· **Requirements to be met by storerooms and receptacles:**

Provide solvent resistant, sealed floor.
Store receptacles tightly closed at a cool and dry place with sufficient ventilation
Pay attention to special rules for the storage of flammable liquids.

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

Store away from foodstuffs.
Store away from feed.
Store away from oxidizing agents.

· **Further information about storage conditions:** None.

· **Storage class:** 3 Flammable liquid

· **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:**

64-17-5 ethanol

PEL 1900 mg/m³, 1000 ppm

REL 1900 mg/m³, 1000 ppm

TLV 1880 mg/m³, 1000 ppm

· **Personal protective equipment**

· **General protective and hygienic measures:**

Avoid contact with the eyes and skin.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
The usual protective measures based on the application have to be followed.

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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:**

In case of unintentional release of substance, exceeding the occupational exposure limit value:



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Short term filter device:

Filter A

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

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: Colorless
Clear
Odor: Like alcohol

· **Change in condition**

Melting point/Melting range: undetermined

Boiling point/Boiling range: undetermined

· **Flash point:** 15°C (59°F)

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

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Density at 20°C (68°F):** ~ 0.93 g/cm³

· **Solubility in / Miscibility with**

Water: Partly soluble

· **Solvent content:**

VOC: 2.2 %

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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** Heating may lead to bursting of receptacles.
- **Materials to be avoided:** Strong 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:** Repeated contact has a drying effect on the skin.
- **on the eye:** Light irritation possible.
- **Sensitization:** No sensitizing effects known.

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.
- **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:** Packagings that cannot be cleansed are to be disposed of in the same manner as the product.
- **Recommended cleansing agent:** water

14 Transport information

- **DOT regulations**
- **Identification number:** UN1987
- **Proper shipping name (technical name):** ALCOHOLS, N.O.S. (ETHANOL, ETHYL METHYL KETONE (METHYL ETHYL KETONE))
- **Remarks:** May also be shipped as "Consumer Commodity ORM-D"

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· Land transport ADR/RID (cross-border)



- ADR/RID class: 3 (F1) Flammable liquids
- Danger code (Kemler): 30
- UN-Number: 1987
- Packaging group: II
- Label: 3
- Description of goods: 1993 FLAMMABLE LIQUID, N.O.S., special provision 640D (ETHANOL (ETHYL ALCOHOL), METHYL ETHYL KETONE)
- Remarks: Limited quantity (LQ4): 3 l inner packaging, 30 kg gross packaging unit
- Maritime transport IMDG



- IMDG Class: 3
- UN Number: 1987
- Label: 3
- Packaging group: II
- EMS Number: F-E S-D
- Marine pollutant: No
- Proper shipping name: ALCOHOLS, N.O.S. (ETHANOL (ETHYL ALCOHOL), ETHYL METHYL KETONE (METHYL ETHYL KETONE))

· Air transport ICAO-TI and IATA-DGR



- ICAO/IATA Class: 3
- UN/ID Number: 1987
- Label: 3
- Packaging group: II
- Proper shipping name: ALCOHOLS, N.O.S. (ETHANOL, ETHYL METHYL KETONE (METHYL ETHYL KETONE))
- Remarks: Packing Instructions:
For Limited Quantities: Y305 (Max Net Qty/Pkg: 1 l)
Passenger and Cargo Aircraft: 305 (Max Net Qty/Pkg: 5 l)
Cargo Aircraft only: 307 (Max Net Qty/Pkg: 60 l)

15 Regulations

- Cancerogenity categories
- EPA (Environmental Protection Agency)
78-93-3 butanone: D
- IARC (International Agency for Research on Cancer)
void

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· **NTP (National Toxicology Program)**

void

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

64-17-5 ethanol: 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:** The product has been classified according to EC-directives.

· **Risk phrases:**

Highly flammable.

· **Safety phrases:**

Danger!

Keep out of the reach of children.

Keep container tightly closed.

Keep away from sources of ignition - No smoking.

Avoid contact with eyes.

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

· **National regulations**

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

· **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.

· **Reasons for amendments:** General revision

· **Department issuing MSDS:**

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· **Contact:** Angelika Torges

· *** Data compared to the previous version altered.**

Changes have been made to chapters marked with a *, as compared to the previous version.

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