

Safety data sheet

in accordance with directive 91/155/EEC

delta pronatura

Ideen, Leistung und Zuverlässigkeit

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Date of issue: 08.10.2002

Version:0001

n.ap. = not applicable

n.av. = not available

1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation

Product group **CARBONA â CLEAN It!**
Trade name **Refrigerator & Micowave Wipe**
Use of the preparation **Cleaning agent**
Product number **art00449**
Formulation No. **11/2002**
Article No. **449**

1.2 Manufacturer:

delta pronatura
Kurt-Schumacher-Ring 15-17

Distributor: **Delta Carbona L.P.**

adress

D-63329 Egelsbach
telephone int+49-(0)6103-4045-0
fax: int+49-(0)6103-4045-193

461 Route 46 West
Fairfield, NJ 07004
telephone: (973) 808-6260
fax: (973) 808-5661

1.3 Emergency telephone number

Toll free:
1 888 746-5599

2. Composition/information on ingredients

This product concerns cleaning clothes; the background material is soaked with a special disinfecting agent.

2.1 Substances presenting a health hazard within the meaning of Directive 67/548/EEC

CAS number	EEC number	identification	m %	symbols	R-phrases
64-17-5	200-578-6	ethanol	<50	F	11

Wording of R-phrases see point 16.1

2.2 Substances subject to recognised exposure limit values pursuant to Community provisions but which are not covered by the Directive 67/548/EEC (see also section 8.)

None.

2.3 Additional information

None.

3. Hazards possibilities

3.1 Hazards identification

On normal safety precautions no special hazards have to be mentioned.

3.2 Critical hazards to man

No particular hazards known.

3.3 Critical hazards to the environment

Product is weakly hazardous to water.

4. First aid measures

4.1 General information (active agent)

In the event of symptoms take medical treatment.

4.2 after inhalation

Ensure supply of fresh air.

4.3 after contact with skin

In the event of symptoms take medical treatment.

In case of repeated contact with skin, rinse with plenty of water.

Consult a doctor if skin irritation persists.

4.4 after contact with eyes

In case of contact with eyes rinse thoroughly with water.

In the event of symptoms take medical treatment.

4.5 after ingestion

Do not induce vomiting.

Call physician.

4.6 Hints for the physician

Symptoms

Symptoms not as yet known.

Hazards

n.av.

Treatment

Treat symptomatically. Do not induce vomiting.

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Company/Undertaking:	Delta Carbona L.P. 461 Route 46 West, Fairfield, NJ 07004	
Telephone:	(973)-808-626	Date of issue: 08.10.2002
Product number:	art00449	

5. Fire-fighting measures

- | | | |
|-----|--|---|
| 5.1 | <i>Suitable extinguishing media</i> | Water spray jet, carbon dioxide, dry powder. |
| 5.2 | <i>Extinguishing media which must not be used for safety reasons</i> | Full water jet. |
| 5.3 | <i>Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases</i> | In the event of fire the following can be released:
Carbon oxides. Under certain conditions of combustion traces of other toxic substances cannot be excluded. |
| 5.4 | <i>Special protective equipment for firefighters</i> | Do not inhale explosion and combustion gases.
Use breathing apparatus.
Wear full protective suit. |
| 5.5 | <i>Further information</i> | Cool endangered containers with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. |
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6. Accidental release measures

- | | | |
|-----|--|--|
| 6.1 | <i>Personal precautions</i> | (see also section 8., Personal protective equipment)
Ensure adequate ventilation. |
| 6.2 | <i>Environmental precautions</i> | Use breathing apparatus if exposed to vapours.
(see also section 13., Disposal considerations) |
| 6.3 | <i>Methods for cleaning up / taking up</i> | Do not discharge into the drains/surface waters/groundwater.
Pick up with suitable material.
Send in suitable containers for recovery or disposal. |
| 6.4 | <i>Additional information</i> | Dispose of absorbed material in accordance with the regulations.
Vapours are heavier than air and can form an explosive mixture with air. |
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7. Handling and storage

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|-----|--|---|
| 7.1 | <i>Handling</i> | (National measures see sections 15. and 16.) |
| | <i>Advice on safe handling</i> | No special measures necessary if used correctly. |
| | <i>Advice on protection against fire and explosion</i> | No special measures necessary |
| 7.2 | <i>Storage</i> | Provide solvent-resistant and impermeable floor. |
| | <i>Requirements for storage rooms and vessels</i> | Keep container tightly closed.
Keep container in a well-ventilated place.
Keep in a cool place. |
| | <i>Advice on storage compatibility</i> | Do not store together with explosible or flammable material and strong oxidizing agents. |
| | <i>Further information on storage conditions</i> | None. |
| | <i>Storage class (for Germany only)</i> | 4.1 |
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8. Exposure controls / personal protection

8.1 *Additional advice on system design* No additional advice.

8.2 *Ingredients with occupational exposure limits to be monitored (for Germany only)*

CAS number	identification	threshold limits	remarks
64-17-5	ethanol	1000ppm	TRGS 900

8.3 *Personal protective equipment*

Respiratory protection

If ventilation insufficient, use a respiratory protection apparatus.

Hand protection

Gloves (solvent-resistant).

Eye protection

n.ap.

Body protection

n.ap.

General protective measures and hygiene measures

Do not inhale vapours.

Avoid contact with eyes and skin.

At work do not eat, drink, smoke or take drugs.

Remove soiled or soaked clothing immediately.

Wash hands before breaks and after work.

Use barrier skin cream.

9. Physical and chemical properties

9.1 *Appearance*

Physical state: soaked clothes

Colour: colorless

Odour: characteristic

9.2 *Data relevant to safety*

pH (as supplied):

ca. 7,9 (active agent) of an aqueous solution: n.av.

Boiling point / boiling range (°C):

n.av.

Melting point / melting range (°C):

n.av.

Thermal decomposition (°C):

n.av.

Flash point (°C):c.c.:

30,1 (active agent)

Flammability (solid, gas):

n.ap.

Autoflammability:

n.ap.

Ignition temperature (°C):

n.av.

Self-ignition temperature (°C):

n.av.

Oxidizing properties:

n.ap.

Explosive properties (propanol-2)

Lower explosion limit: n.av. Upper explosion limit: n.av.

Vapour pressure:

n.av.

Relative density / Bulk density:

0,96 (active agent)

Solubility in water:

soluble (active agent)

Soluble in:

n.av.

Partition coefficient: n-octanol/water:

n.av.

Viscosity:

n.av.

Other data:

Vapours are heavier than air and can form an explosive mixture with air.

10. Stability and reactivity

10.1 *Conditions to avoid / materials to avoid*

Because of the high vapour pressure, containers are liable to burst if temperature rises.

10.2 *Hazardous decomposition products*

Thermal decomposition may form irritating vapours.

10.3 *Additional information*

Only use solvent resistant instruments.

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Telephone:	(973)-808-626	Date of issue: 08.10.2002
Product number:	art00449	

11. Toxicological information

11.1 Toxicological examination

Acute oral toxicity / acute dermal toxicity / acute inhalation toxicity

LD50 rat, oral	(mg/kg)	n.av.
LD50 rat, dermal	(mg/kg)	n.av.
LC50 rat, inhalation	(mg/l/4h)	n.av.

Irritant effect

Irritant effect on skin	n.av.
Irritant effect on eyes	n.av.

Sensitization

<i>Subacute toxicity / Sub-chronic toxicity / Chronic toxicity</i>	n.av.
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<i>Mutagenicity / Teratogenicity / Carcinogenicity</i>	n.av.
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<i>Further information</i>	None.
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11.2 Experiences made in practice

11.2 Experiences made in practice	n.av.
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11.3 General remarks	None.
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12. Ecological information

12.1 Data on elimination (persistence and degradability) (activ agent)	Ready biodegradability (OECD 301D).
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12.2 Behaviour in environmental compartments	Product not tested.
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12.3 Ecotoxic effect

Fish toxicity / daphnia toxicity / algae toxicity / bacteria toxicity

LC50 (fish)	n.av.
EC50 (daphnia)	n.av.
IC50 (algae)	n.av.
EC50 (bacteria)	n.av.

Behaviour in sewage plants:	Product not tested.
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12.4 Further ecological information

Dissolved Organic carbon (DOC):	nav.
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Chemical oxygen demand (COD):	n.av.
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Biochemical oxygen demand (BOD5):	n.av.
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AOX-hints:	n.ap.
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Product contains following compounds according to 76/464/EEC	n.ap.
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13. Disposal considerations

13.1 Waste typ	Wastes from organic chemical processes
Waste notation	Wastes from the MFSU of...soaps, detergents, disinfectants...
EEC waste code	07 06 04 (other organic solvents...)
Disposal operations	D 10 (incineration on land)
Recovery operations	R 2 (solvent reclamation/regeneration)

13.2 Contaminated packaging

Recommendation	Packaging that cannot be cleaned should be disposed off as product waste.
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Recommended cleansing agent	Water
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14. Transport information

14.1 Road transport ADR / RID / GGVs / GGVE (until 31 December 2002):

Class:	Digit/Letter:
Danger labels:	UN-No.:
Name of the good:	

14.2 Road transport ADR / RID / GGVSE (from 01 July 2001):

UN-No.:	Name of the good:
Class:	Classification code:
Packing group:	Danger labels:

14.3 Marine transport IMDG-Code (English version):

UN-No.:	Proper Shipping Name:
Class:	Subsidiary Risk:
Packing group:	EmS:

14.4 Air transport IATA-DGR:

UN/ID-No.:	Proper Shipping Name:
Class:	Subsidiary Risk:
Hazard Labels:	Packing group:

15. Regulatory information

15.1 Labelling in accordance with Directive EEC

Symbol(s) of danger:	
Indication(s) of danger:	
Hazardous component(s) to be indicated on label: contains	
R-phrases:	n.ap.
S-phrases:	n.ap.
Remark:	Normal safety precautions for handling of chemicals must be observed.
Special labelling for certain preparations:	n.ap.
15.2 National measures (for Germany only)	
Restriction of occupation:	n.ap.
Incident regulations:	Mentioned on the supplement Störfall-VO (active agent)
Classification according to VbF:	n.ap.
TA-Luft:	Supplement E class III ethanol <50% (active agent)
Water hazard class:	1 VwVwS (active agent)

16. Other information

16.1 Wording of R-phrases point 2.1

R 11 Highly flammable.

16.2 This information is based on our present state of knowledge.

It should not therefore be construed as guaranteeing specific properties of the products as described or their suitability for a particular application.