



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name **Carbona Hygienic Washing Machine Cleaner**
Version # 1.0
Issue date 04-16-2013
Revision date 05-14-2013
Supersedes date 04-16-2013
CAS # Mixture
Product code 033-12
Product use Consumer use
Manufacturer
Address 376 Hollywood Ave., Suite 208
Fairfield, NJ 07004
Company name Delta Carbona L.P.
USA
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2. Hazards Identification

Emergency overview CAUTION

Causes eye irritation. Harmful if swallowed.
OSHA regulatory status This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
Potential health effects
Routes of exposure Inhalation. Ingestion. Skin contact. Eye contact.
Eyes Do not get this material in contact with eyes.
Skin Avoid contact with the skin.
Inhalation Do not breathe gas, fumes, or vapor.
Ingestion Do not ingest.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Sodium Carbonate Peroxyhydrate	15630-89-4	10 - 20
SODIUM CARBONATE	497-19-8	5 - 10
Silicic Acid, Sodium Salts	Mixture	1 - 5

4. First Aid Measures

First aid procedures
Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Skin contact Immediately flush skin with plenty of water. For minor skin contact, avoid spreading material on unaffected skin. Get medical attention if irritation develops and persists. Wash clothing separately before reuse.
Inhalation Move to fresh air. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician if symptoms develop or persist.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Never give anything by mouth to a victim who is unconscious or is having convulsions. Drink plenty of water. Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to physician

In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General advice

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. IF exposed or concerned: Get medical advice/attention. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation.

5. Fire Fighting Measures**Extinguishing media****Suitable extinguishing media**

Water spray. Powder. Carbon dioxide (CO2). Alcohol resistant foam.

Unsuitable extinguishing media

Do not use water jet.

Protection of firefighters**Protective equipment and precautions for firefighters**

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection.

Fire fighting equipment/instructions

Move containers from fire area if you can do so without risk. In the event of fire, cool tanks with water spray.

Specific methods

Cool containers exposed to flames with water until well after the fire is out.

Hazardous combustion products

Formaldehyde.

6. Accidental Release Measures**Personal precautions**

Keep unnecessary personnel away. Wear suitable protective clothing. Ensure adequate ventilation. Avoid dust formation.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Runoff from fire control or dilution water may cause pollution. Do not contaminate water.

Methods for containment

Stop leak if you can do so without risk. Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Methods for cleaning up

Should not be released into the environment. Following product recovery, flush area with water. For waste disposal, see section 13 of the MSDS.

7. Handling and Storage**Handling**

Provide adequate ventilation. Avoid dust formation. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. Wash thoroughly after handling. Do not eat, drink or smoke when using the product.

Storage

Keep away from food, drink and animal feeding stuffs. Container must be kept tightly closed. Keep out of the reach of children.

8. Exposure Controls / Personal Protection**Engineering controls**

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment**Eye / face protection**

If risk of splashing, wear safety goggles or face shield.

Skin protection

Normal work clothing (long sleeved shirts and long pants) is recommended.

Respiratory protection

Not normally needed. Do not breathe dust/fume/gas/mist/vapors/spray.

General hygiene considerations

When using, do not eat, drink or smoke. Do not get in eyes. Do not get this material in contact with skin. Keep away from food and drink.

9. Physical & Chemical Properties**9.1. Information on basic physical and chemical properties****Appearance**

Material name: Carbona Hygienic Washing Machine Cleaner

MSDS No. 033-12 Version #: 1.0 Revision date: 05-14-2013 Issue date: 04-16-2013

Physical state	Solid.
Form	Powder.
Color	White.
Odor	Not available.
Odor threshold	Not available.
pH	10.5 (1%)
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density	Not available.
Solubility(ies)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Viscosity	Not applicable.
Explosive properties	Not available.
Oxidizing properties	Not available.
9.2. Other information	
Density	1100.00 g/l

10. Chemical Stability & Reactivity Information

Chemical stability	Risk of ignition.
Conditions to avoid	None under normal conditions.
Incompatible materials	Not available.
Hazardous decomposition products	No hazardous decomposition products are known.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
SODIUM CARBONATE (497-19-8)		
Acute		
<i>Oral</i>		
LD50	Rat	4090 mg/kg
<i>Other</i>		
LD50	Mouse	116.6 mg/kg, 30 Days
Local effects	Harmful if swallowed. May irritate eyes and skin.	
Chronic effects	Hazardous by OSHA criteria. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.	
Carcinogenicity	Hazardous by OSHA criteria. Risk of cancer cannot be excluded with prolonged exposure.	

12. Ecological Information

Ecotoxicological data

Components		Species	Test Results
SODIUM CARBONATE (497-19-8)			
Aquatic			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	156.6 - 298.9 mg/l, 48 hours
Fish	LC50	Bluegill (Lepomis macrochirus)	300 mg/l, 96 hours
Ecotoxicity	Not expected to be harmful to aquatic organisms.		
Persistence and degradability	No data is available on the degradability of this product.		

13. Disposal Considerations

Disposal instructions	Dispose in accordance with all applicable regulations.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
One or more components are not listed on TSCA.

CERCLA/SARA Hazardous Substances - Not applicable.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))

Not regulated.

DEA Essential Chemical Code Number

Not regulated.

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated.

DEA Exempt Chemical Mixtures Code Number

Not regulated.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings Health: 2
Flammability: 1
Physical hazard: 0

NFPA ratings

Health: 2
Flammability: 1
Instability: 0

Disclaimer

The information in the sheet was written based on the best knowledge and experience currently available.

This data sheet contains changes from the previous version in section(s):

Product and Company Identification: Product and Company Identification
Composition / Information on Ingredients: Ingredients
Physical & Chemical Properties: Multiple Properties
Regulatory Information: United States
HazReg Data: International Inventories