



Corte*Clean®

SDS Number: 399

Revision Date: 10/21/2015

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Corte, LLC
2 Fifer Ave.
Suite 120
Corte Madera, CA 94925

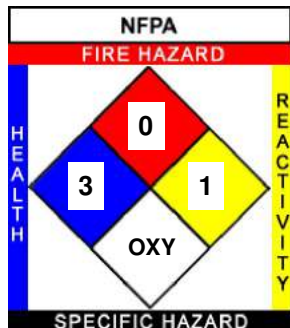
Contact: Corte, LLC
Phone: (415) 924-9500
Fax: (415) 924-9501
Email: info@cortelc.com
Web: www.corteclean.com

Product Name: Corte*Clean®
Revision Date: 10/21/2015
Version: 1.00
SDS Number: 399
Common Name: Oxygenated Alkaline Cleaner
CAS Number: MIXTURE
Product Code: Corte CC
Chemical Family: Oxygenated Alkaline Cleaner
Chemical Formula: *** PROPRIETARY ***
Product Use: Environmentally responsible removal of mold & mildew stains, grease, oil, rust & more.
Emergency Phone: (415) 924-9500

2 HAZARDS IDENTIFICATION

NFPA:
HMIS III:

Health = 3, Fire = 0, Reactivity = 1
H*3/F0/PH1



HMIS III	
HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARDS	1
PERSONAL PROTECTION C Safety Glasses, Gloves, Apron	

PERSONAL PROTECTION INDEX			
A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions
A		n	
O		p	
q		r	
S		Additional Information	
t		u	
w		y	
z			

GHS Signal Word:

DANGER

GHS Hazard Pictograms:



GHS Classifications:

- Physical, Oxidizing Solids, 2
- Health, Acute toxicity, 4 Oral
- Health, Skin corrosion/irritation, 1 B
- Health, Serious Eye Damage/Eye Irritation, 1
- Health, Specific target organ toxicity - Single exposure, 3

GHS Phrases:

- H272 - May intensify fire; oxidizer
- H302 - Harmful if swallowed
- H314 - Causes severe skin burns and eye damage
- H318 - Causes serious eye damage
- H335 - May cause respiratory irritation

GHS Precautionary Statements:

- P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
- P220 - Keep/Store away from clothing/combustible materials.
- P221 - Take any precaution to avoid mixing with combustibles.
- P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
- P264 - Wash skin thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P271 - Use only outdoors or in a well-ventilated area.
- P273 - Avoid release of granular product to the environment.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P321 - Specific treatment (see supplementary first aid instructions on this label).
- P332+313 - If skin irritation occurs: Get medical advice/attention.
- P363 - Wash contaminated clothing before reuse.
- P370+378 - In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.
- P403+233 - Store in a well ventilated place. Keep container tightly closed.
- P405 - Store locked up.
- P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 31 °C/88 °F
- P411+235 - Store at temperatures not exceeding 31 °C/88 °F. Keep cool. Do not store below freezing.
- P501 - Dispose of contents/container to an approved waste disposal plant.



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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Table with 3 columns: Cas #, Percentage, Chemical Name. Rows include Carbonic acid disodium salt, silicic acid, and Trade Secret*.

*The specific chemical identities of the ingredients of this mixture labeled as "Trade Secret" are considered to be proprietary and are withheld in accordance with the provisions of 29CFR1910.1200 Sect. (i) Trade Secrets.

4 FIRST AID MEASURES

- Inhalation: Blow nose to remove substance from nasal passages. Give oxygen or artificial respiration if needed.
Skin Contact: Take off contaminated clothing and shoes immediately. Wipe/brush off as much chemical as possible from skin BEFORE flushing skin with water.
Eye Contact: Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally.
Ingestion: Rinse mouth with water. Give 3-4 glasses of water or milk to dilute stomach contents.

Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labelling (see Section 2) and/or Section 11. The primary hazard of this product is the corrosivity on the eyes, skin and mucous membranes.

Indication of any immediate medical attention and special treatment needed:

No data available.

5 FIRE FIGHTING MEASURES

- Flammability: No data available
Flash Point: DNA
Flash Point Method: DNA
Burning Rate: No data available
Autoignition Temp: No data available
LEL: DNA
UEL: DNA



Extinguishing Media:

Water Spray
Carbon Dioxide
Alcohol-Resistant Foam
Dry Chemical

Special Hazards Arising From the Substance or Mixture:

Carbon Oxides
Nitrogen Oxides (NOx)
Silicon Oxides
Sodium Oxides

Advice for Firefighters:

Firefighters should wear full-face, positive-pressure respirators.

Further Information:

If incinerated, may release toxic fumes.
Carbonic acid, disodium salt, compd. with Hydrogen Peroxide (H2O2) (2:3) decomposes to form water and oxygen, which may intensify fires. Use caution.
Use water spray to cool unopened containers. Wet or damp material may start to decompose and release heat causing any nearby combustibles to catch fire. If containers begin to discolor or vent violently, emergency responders should evacuate area.
See Section 7 for more information on safe handling.
See Section 8 for more information on personal protection equipment.
See Section 13 for disposal information.

6	ACCIDENTAL RELEASE MEASURES
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Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment, including dust respirator.
Avoid dust formation.
Avoid breathing dust.
Keep from contacting skin or eyes.
Avoid breathing vapors, mist or gas.
Ensure adequate ventilation.
Evacuate personnel to safe areas.

Environmental precautions:

Prevent further release (leakage/spillage) if safe to do so.
Do not allow granular product to enter drains.
Do not allow to drain to environment.

Methods and materials for containments and cleaning up:

Pick up and arrange disposal without creating dust.
Sweep up, shovel or collect spillage with an electrically protected vacuum cleaner.
Place contaminated material into suitable, closed containers for disposal.
Dispose of contaminated material according to Section 13.
After spillage has been collected, area may be flushed with water or wet-brushed.
Ensure adequate ventilation.

Reference to other sections:

Comply with federal, state and local regulations on reporting spills.
See Section 7 for information on safe handling.



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See Section 8 for information on personal protection equipment.
See Section 13 for information on proper disposal.

7	HANDLING AND STORAGE
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Handling Precautions:

Avoid formation of dust or aerosols.
Avoid breathing vapors, mist or dust.
Avoid contact with eyes, skin, or clothing.
Use approved, plastic containers only - do not store in metal containers.
Keep containers closed when not in use.
Do not expose containers to open flame, excessive heat, or direct sunlight.
Do not puncture or drop containers.
Handle with care and avoid spillage on the floor.
Keep material out of reach of children.
Keep material away from incompatible materials.
Do not use corrosive-sensitive materials for handling product.
Wash thoroughly after handling.
Ensure adequate ventilation.

Storage Requirements:

Do not store at temperatures exceeding 31 °C/88 °F.
Keep away from heat, sparks and flames.
Do not store in direct sunlight.
Store in a dry, climate controlled area where temperature is consistent. Do not store below freezing.
Keep away from moisture.
Store away from strong acids, strong bases, strong oxidizing agents, strong reducing agents, reactive metals (Zinc & Aluminum) and their alloys (Brass, etc.), all powdered metals, Iron, Copper, Nickel, Lead, Tin/Tin Oxides, all metal salts, metal oxides, organic material (including dirt), cyanides and combustible material (wood, paper, oils, fabrics, etc.).
Prevent extended contact with Iron and Iron alloys, including Steel.

8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Engineering Controls:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

Personal Protective Equip:

Eye/face protection:

When using material use safety glasses, gloves and apron according to HMIS PP, C. All safety equipment should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection:

Handle with gloves made from Neoprene, Nitrile or Buna rubber. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves according to applicable laws and laboratory practices.

Body Protection:

Chemically resistant gloves, apron and safety glasses are recommended. Type of protective equipment should be selected based on concentration amount and conditions of use of this material.



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Respiratory protection:

Full-face dust/vapor respirator may be required as backup to engineering controls when proper engineering controls are not in place to keep TLV and PEL limits below defined thresholds.

Control of environmental exposure:

Prevent leakage or spillage if safe to do so. Do not let granular product enter drains.

Components with workplace control parameters:

- Component(s): Carbonic acid disodium salt, compd. with hydrogen peroxide (H2O2) (2:3)
CAS No(s): 15630-89-4
USA OSHA (Total Dust PEL): 15 mg/m³
USA OSHA (Respirable Fraction PEL): 5 mg/m³
USA ACGIH (Inhalable TLV): 10 mg/m³
USA ACGIH (Respirable TLV): 3 mg/m³

Biological occupational exposure limits:

Contains no substances with biological occupational exposure limits values.

9 PHYSICAL AND CHEMICAL PROPERTIES

Table with 2 columns: Property and Value. Properties include Appearance, Physical State, Odor, Molecular Formula, Solubility, Softening Point, Percent Volatile, Heat Value, Freezing/Melting Pt., Flash Point, Octanol, Vapor Density, VOC, Bulk Density, Auto-Ignition Temp, UFL/LFL, and Decomposition Temp.

10 STABILITY AND REACTIVITY

Table with 2 columns: Property and Value. Properties include Stability, Conditions to Avoid, Materials to Avoid, and Hazardous Decomposition.



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Hazardous Polymerization: Will not occur.

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TOXICOLOGICAL INFORMATION

Component(s): Carbonic acid disodium salt, compd. with hydrogen peroxide (H₂O₂) (2:3); Silicic acid (H₂SiO₃), disodium salt; Carbonic acid, disodium salt; Trade Secret
CAS No(s): 15630-89-4; 6834-92-0; 497-19-8; N/A

Acute Toxicity:

LD50 Oral - Rat: 1,034 mg/kg
LD50 Dermal - Rabbit: > 2,000 mg/kg
LC50 Inhalation - Rat: > 4.58 mg/l (1 h)

Skin Corrosion/Irritation: Rabbit skin - Corrosive (4 h).

Serious Eye Damage/Eye Irritation: Rabbit eyes - Causes severe eye damage.

Respiratory or Skin Sensitation: Not expected to cause sensitization to respiratory system or skin.

Germ Cell Mutagenicity: No data available.

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity:

Reproductive Toxicity Oral - Rat: Effects on newborn (Stillbirth, Effects on newborn).

Specific Target Organ Toxicity - Single Exposure: Respiratory system - May cause respiratory irritation.

Specific Target Organ Toxicity - Repeated Exposure: No data available.

Aspiration Hazard: No data available.

Additional Information:

Component: Carbonic acid disodium salt, compd. with hydrogen peroxide (H₂O₂) (2:3); RTECS: FG0750000
Component: Silicic acid (H₂SiO₃), disodium salt; RTECS: VV9287500
Component: Carbonic acid, disodium salt; RTECS: VZ4050000
Component: Trade Secret; RTECS: N/A



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12 ECOLOGICAL INFORMATION

Component(s): Carbonic acid disodium salt, compd. with hydrogen peroxide (H₂O₂) (2:3); Silicic acid (H₂SiO₃), disodium salt; Carbonic acid, disodium salt; Trade Secret
CAS No(s): 15630-89-4; 6834-92-0; 497-19-8; N/A

Toxicity:

Toxicity to fish:

LC50 - Pimephales promelas (Fathead Minnow): 70.7 mg/l (96 h)
NOEC - Pimephales promelas (Fathead Minnow): 7.4 mg/l (96 h)
LC50 - Lepomis macrochirus (Bluegill): 300 mg/l (96 h)
Semi-Static Test LC50 - Danio rerio (Zebra Fish): 210 mg/l (96 h)

Toxicity to daphnia and other aquatic invertebrates:

EC50 - Daphnia magna (Water Flea): 4.9 mg/l (48 h)
EC50 - Daphnia pulex (Water Flea): 4.9 mg/l (48 h)
EC0 - Daphnia magna (Water Flea): 2 mg/l (48 h)
NOEC - Daphnia pulex (Water Flea): 2 mg/l (48 h)

Persistence and Degradability:

No data available

Bioaccumulative potential:

No data available

Mobility in Soil:

No data available

Results of PBT and vPvB assessment:

Not required/conducted

Other Adverse Effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life if not heavily diluted in water. Environmental hazard assignment applies to concentrated, granular product only. When this product is used at the dilutions recommended by Corte, LLC, it attributes minimal to no environmental hazards, acute or chronic, to the aquatic environment.

13 DISPOSAL CONSIDERATIONS

Product: Hazardous wastes shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution, release into the environment or damage to people and animals. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging: Dispose of as unused product.



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14 TRANSPORT INFORMATION

DOT Class: Oxidizer (5.1) #5.1
UN #: UN 1479, Class: 5.1, Proper Shipping Name: Oxidizing solid, n.o.s. (Sodium Carbonate Peroxyhydrate)

DOT (US)

UN Number: 1479
Class: 5.1
Packing Group: III
ERG #: 140
Proper Shipping Name: Oxidizing solid, n.o.s. (Sodium Carbonate Peroxyhydrate)
Marine Pollutant: No
Poison Inhalation Hazard(s): No

IMDG

UN Number: 1479
Class: 5.1
Packing Group: III
EMS-No: F-A, S-Q
Proper Shipping Name: Oxidizing solid, n.o.s. (Sodium Carbonate Peroxyhydrate)
Marine Pollutant: No

IATA

UN Number: 1479
Class: 5.1
Packing Group: III
ERG #: 140
Proper Shipping Name: Oxidizing solid, n.o.s. (Sodium Carbonate Peroxyhydrate)
Marine Pollutant: No



15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

- *Carbonic acid disodium salt, compd. with hydrogen peroxide (H2O2) (2:3) (15630894 50-70%) NJHS, PA, SARA311/312, TSCA
*Silicic acid (H2SiO3), disodium salt (6834920 20-30%) NJHS, PA, SARA311/312, TSCA
*Carbonic acid disodium salt (497198 0-10%) NJHS, PA, SARA311/312, TSCA
*Trade Secret (N/A 3.5%) SARA311/312, TSCA

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List
NJHS = New Jersey Right to Know Hazardous Substances
PA = PA Right-To-Know List of Hazardous Substances
SARA311/312 = SARA 311/312 Toxic Chemicals



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TSCA = Toxic Substances Control Act

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OTHER INFORMATION

Disclaimer:

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that Corte, LLC believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of Corte, LLC's control, Corte, LLC makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.

Preparation Information:

GHS Conversion Services
www.ghsconversionservices.com
(414) 336-2546