



Material Safety Data Sheet

NFPA	PPE		

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Revision Number: 6

24-310 - AGCLOR 310

1. PRODUCT AND COMPANY IDENTIFICATION

DECCO
 Cerexagri, Inc.
 1713 S. California Ave.
 Monrovia, CA 91016-0120

Emergency Telephone Number
 Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
 Medical: Rocky Mountain Poison Control Center
 (866) 673-6671 (24hrs)

Company Information
 Decco-Cerexagri

Contact Information
 Customer Service

Phone Number
 626-358-1838

Available Hrs
 8:00am - 5:00pm (PT)

Product Name	AGCLOR 310
EPA Reg #	2792-62
Recommended Use	Control decay causing organisms
Product Code	24-310

2. HAZARDS IDENTIFICATION

Emergency Overview
 May cause eye and skin irritation
 May cause allergic skin reaction
 Harmful if swallowed

DANGER!	Physical State Liquid.	Odor Slight chlorine.
Appearance Yellow, Green.		

Potential Health Effects

- Inhalation
 - Skin contact
- Acute Effects**

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 Based on single exposure animal tests, it is considered to be practically non-toxic if swallowed, absorbed through skin or inhaled. Slightly to moderately irritating to skin and moderately irritating to eyes. Overexposure to aerosol may cause mild to moderate irritation to the eyes, skin and respiratory tract with effects such as pain, redness and excess tearing. If swallowed, this material may cause gastrointestinal pain and distress.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name

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Chemical Name	CAS-No	Weight %	OSHA PEL
Sodium hypochlorite	7681-52-9	12.5	N/A

4. FIRST AID MEASURES

Eye Contact	Hold eye open and rinse slowly and gently with water for 30 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
Skin Contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.
Inhalation	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration. Call a poison control center or doctor for further treatment advice.
Ingestion	Call a physician or Poison Control Center immediately Have person sip a glass of water if able to swallow Do not induce vomiting unless told to do so by a poison control center or doctor Call a physician or poison control center for treatment advice. Never give anything by mouth to an unconscious person
Notes to Physician	No information available Do not give vinegar or other acids

5. FIRE-FIGHTING MEASURES

Flammable Explosive Properties

Flash Point Not available
Autoignition Temperature Not available

Flammability Limits in Air Not available

Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Fire/Explosion Hazard Firefighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear and self-contained breathing apparatus. Fire fighting equipment should be thoroughly decontaminated after use.

Hazardous Combustion Products May decompose on contact with flames or extremely hot metal surfaces to produce toxic and corrosive products. .

NFPA **Health 3** **Flammability 0** **Instability 1**

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with the skin and the eyes. Use personal protective equipment. Remove all sources of ignition.

Environmental Precautions Consult a regulatory specialist to determine appropriate state or local reporting

requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits..

Methods for Clean-up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling

Keep out of reach of children. Keep away from flames and hot surfaces. Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Empty containers may contain hazardous residues.

Storage

Keep out of the reach of children. Keep away from open flames, hot surfaces and sources of ignition. Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines**Engineering Controls**

Investigate engineering techniques to reduce exposures. Local mechanical exhaust ventilation is preferred. Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems. .

Personal Protective Equipment**Eye/face Protection****Skin Protection****Respiratory Protection**

Use eye protection to avoid eye contact. . Avoid contact with eyes. Goggles. Chemical resistant gloves. Chemical resistant apron. Wear protective gloves/clothing. Where airborne exposure is likely, use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. If exposures cannot be kept at a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure, use an approved full face positive-pressure, self-contained breathing apparatus. Respiratory protection programs must comply with 29 CFR 1910.134. .

General Hygiene Considerations

Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow Green	Odor	Slight chlorine
Physical State	Liquid	pH	12.5
Boiling Point/Range	219 °F	Melting Point/Range	Not available
Specific Gravity	1.2 g/cc	Solubility	Completely soluble
Evaporation Rate	Not available	Vapor Pressure	Not available
Vapor Density	Not available	VOC Content	Not available
Viscosity	Not available	Molecular Weight	No data available
Bulk Density	No data available	Percent Solids	Not available
Percent Volatiles	75%		

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions

Conditions to Avoid

Keep away from children. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible Materials

Acids. Alcohols. Amines. Incompatible with oxidizing agents. reducing agents. ammonia. combustibles. cyanides. detergents. ether. hydrocarbons.

Hazardous Decomposition Products

Hydrogen chloride. chlorine. hypochlorous acid.

Possibility of Hazardous Polymerization

Hazardous polymerisation does not occur

11. TOXICOLOGICAL INFORMATION**Acute Toxicity****Component information****Sodium hypochlorite**

Single exposure studies indicate that this material is practically non-toxic if swallowed (rat LD50 8,910 mg/kg) absorbed through skin (rabbit LD50 >20,000 mg/kg) or inhaled (rat 1 hr LC50 >10.5 mg/l, aerosol) slightly to moderately irritating to rabbit skin (5-12%) and moderately irritating to rabbit eyes (5-8%).

Human case reports indicate that overexposure by ingestion to concentrated material causes gastrointestinal hemorrhage and in severe cases; death, while solutions generally indicate reversible gastrointestinal irritation. Repeated skin contact with dilute solutions has been reported to cause dermatitis and/or allergic skin reactions in the workplace. Repeated exposure of humans and guinea pigs in controlled skin contact studies produced no skin allergy. No adverse effects or increase in tumors was observed in long-term drinking water studies in rats. No birth defects were noted in the offspring of mice exposed by drinking water during pregnancy, although effects were observed in unborn offspring at maternally toxic doses. No effects were noted on the ability of male or female rats to reproduce following administration in drinking water for 7 generations. Both positive and negative results have been reported in tests for genetic changes using bacteria, animal cells, or animals.

Chronic Toxicity

There are no known carcinogenic chemicals in this product

Carcinogenicity**12. ECOLOGICAL INFORMATION****Ecotoxicity****Sodium hypochlorite**

This material is moderately to slightly toxic to fathead minnow (LC50 5.9 mg/l) bleakfish (LC50 34.5 mg/l) Palaemonetes pugio (LC50 52 mg/l) Daphnia magna (96 hr EC50 2.1 mg/l) and Mollusks (48 hr kLC50 1.9-14.5 mg/l). It is highly toxic to algae. .

13. DISPOSAL CONSIDERATIONS**Waste Disposal Method**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If the wastes cannot be disposed of by use or according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. .

Contaminated Packaging

Rinse empty container thoroughly with water and either return it to the manufacturer or discard by appropriate methods as provided on the label. .

14. TRANSPORT INFORMATION**DOT**

Proper Shipping Name Hypochlorite solution
Hazard Class 8
UN-No 1791
Packing Group PG II
Reportable Quantity (RQ): 100 lbs (Sodium hypochlorite)

ICAO

UN-No 1791
Proper Shipping Name Hypochlorite solution
Hazard Class 8
Packing Group PG II

IATA

UN-No 1791
Proper Shipping Name Hypochlorite solution
Hazard Class 8
Packing Group PG II
ERG Code 8 L

IMDG/IMO

Proper Shipping Name Hypochlorite solution
Hazard Class 8
UN-No 1791
Packing Group PG II
EmS No. F-A, S-B

15. REGULATORY INFORMATION

International Inventories

Sodium hypochlorite

DSL	Listed
EINECS/ELINCS	Listed
ENCS	Listed
CHINA	Listed
KECL	Listed

USA**Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Chronic Health Hazard	No
Acute Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hypochlorite	100 lbs			Listed.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any HAPs.

CERCLA

Chemical Name	RQ
Sodium hypochlorite	Listed.

RCRA

Pesticide Information**State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Sodium hypochlorite	Listed.			Listed.	

International Regulations

Mexico - Grade Not available

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Not determined

16. OTHER INFORMATION

Revision Date 14-Jan-2009

Revision Summary

Update section 15

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End of MSDS