



Safety Data Sheet

Preparation Date 19-May-2015

Revision date 19-May-2015

Revision Number: 1

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product identifier

Product Description: AGCLOR 310

Other means of identification

Item#: 24-310
UN-No 1791
Synonyms Not Available
Registration number(s) 2792-62

Recommended use of the chemical and restrictions on use

Recommended use Control decay causing organisms.
Uses advised against Activities contrary to label recommendation

Details of the Supplier of the Safety Data Sheet

Supplier Address

DECCO
Decco U.S. Post Harvest, Inc.
1713 S. California Ave.
Monrovia, CA 91016-0120

Emergency telephone number

Company Phone Number 626-358-1838
8:00 am - 5:00 pm (PST)
Emergency telephone number Chemtrec: (800) 424-9300 (24hrs) or (703) 527-3887
Medical: Rocky Mountain Poison Control Center
(866) 673-6671 (24hrs)

2. Hazards Identification

Classification

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Skin Corrosion/Irritation	Category 1
Serious eye damage/eye irritation	Category 1

Label elements

EMERGENCY OVERVIEW

DANGER

hazard statements

Causes severe skin burns and eye damage



appearance yellow green

Physical state liquid

Odor Slight chlorine

Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray
 Wash face, hands and any exposed skin thoroughly after handling
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a POISON CENTER or doctor/physician
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 Wash contaminated clothing before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Immediately call a POISON CENTER or doctor/physician
 IF SWALLOWED: Rinse mouth. DO NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC)**OTHER INFORMATION**

- MAY BE HARMFUL IF SWALLOWED
- Very toxic to aquatic life with long lasting effects

3. Composition/information on Ingredients

Chemical name	CAS-No	Weight %	Trade secret
Sodium hypochlorite	7681-52-9	12.5	

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

4. First aid measures

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, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Ingestion	Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

Most Important Symptoms and Effects, Both Acute and Delayed

Most Important Symptoms and Effects No information available.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to physician No information available. Do not give vinegar or other acids.

5. Fire-fighting measures

Suitable extinguishing media

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

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical

No information available.

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

Explosion data

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

Environmental Precautions

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 and material for containment and cleaning up

Methods for Clean-Up Follow all label instructions regarding spill clean-up and residual disposal methods.

7. Handling and Storage

Precautions for safe handling

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.

Conditions for safe storage, including any incompatibilities

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.

incompatible materials Acids. Alcohols. Amines. Incompatible with oxidizing agents. reducing agents. Ammonia. combustibles. cyanides. detergents. Ether. Hydrocarbons.

8. Exposure Controls/Personal Protection

Exposure guidelines This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

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

Information on basic physical and chemical properties

Physical state appearance color	liquid yellow green No information available	Odor	Slight chlorine
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<u>Property</u>	<u>VALUES</u>	<u>Remarks/ • Method</u>
pH	12.5	
Melting point/freezing point	No information available	
Boiling Point/Range	No information available	219 °F
Flash Point	No information available	
Evaporation Rate	No information available	
flammability (solid, gas)	No information available	
Flammability limit in air		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
vapor pressure	No information available	
Vapor Density	No information available	
Specific gravity	1.2 g/cc	
Water solubility	No information available	
Solubility in Other Solvents	No information available	
Partition coefficient: n-octanol/water	No information available	
Autoignition temperature	No information available	
decomposition temperature	No information available	
Viscosity, kinematic	No information available	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

OTHER INFORMATION

Softening point molecular weight VOC Content density Bulk density	No information available No information available No information available No information available No information available
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10. Stability and Reactivity

Reactivity

no data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

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.

11. Toxicological Information

Information on Likely Routes of Exposure**Inhalation** There is no data available for this product.**Eye contact** There is no data available for this product.**Skin contact** There is no data available for this product.**Ingestion** There is no data available for this product.**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.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hypochlorite 7681-52-9	= 8200 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-

Information on Toxicological Effects**Symptoms** No information available.**Delayed and immediate effects as well as chronic effects from short and long-term exposure****sensitization** No information available.**Mutagenic effects** No information available.**Carcinogenicity** There are no known carcinogenic chemicals in this product.

Chemical name	ACGIH	IARC	NTP	OSHA
Sodium hypochlorite 7681-52-9	-	Group 3		-

Reproductive effects Not Available.**STOT - Single Exposure** No information available.**STOT - repeated exposure** No information available.**Aspiration hazard** No information available.**Numerical Measures of Toxicity - No information available**

12. Ecological Information

ecotoxicity

Toxic to fish and aquatic organisms

Persistence/Degradability

No information available.

Bioaccumulation/ Accumulation

No information available.

Other Adverse Effects

No information available

13. Disposal Considerations

Waste Treatment Methods

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

Refer to product label.

14. Transport Information

DOT

UN-No	1791
Proper shipping name	Hypochlorite solution
Hazard class	8
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

IMDG/IMO

UN-No	1791
Proper shipping name	Hypochlorite solution
Hazard class	8
Packing group	PG II
EmS No.	F-A, S-B

15. Regulatory Information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

signal word DANGER!

Ventilation Control PESTICIDE APPLICATORS & WORKERS THESE WORKERS MUST REFER TO PRODUCT LABELING AND DIRECTIONS FOR USE IN ACCORDANCE WITH EPA WORKER PROTECTION STANDARD 40 CFR PART 170.

Keep out of Reach of Children. Corrosive. Causes substantial eye injury. Causes severe skin irritation/burns. Toxic to fish and aquatic organisms.

International Inventories

USINV	Not determined
DSL/NDSL	Not determined
EINECS/ ELINCS	Complies
ENCS	Complies
China	Complies
KECL	Complies
PICCS	Complies
AICS	Complies
TSCA	Complies

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

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 and Title 40n of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous

Categorization

Acute health hazard	yes
Chronic health hazard	NO
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hypochlorite 7681-52-9	100 lb			X

Chemical name	RQ	CERCLA EHS RQs	RQ
Sodium hypochlorite 7681-52-9	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

CERCLA

