



Safety Data Sheet

Preparation Date 09-Mar-2017

Revision date 09-Mar-2017

Revision Number: 1

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

Product identifier

Product Description: Deccosan 5

Other means of identification

Item#: 13-DS5
UN-No UN3098
Registration number(s) 63838-1-2792

Recommended use of the chemical and restrictions on use

Recommended use Antimicrobial solution.
Uses advised against Non labeled activities

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)

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Gases)	Category 2
Acute toxicity - Inhalation (Vapors)	Category 2
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin Corrosion/Irritation	Category 1
Serious eye damage/eye irritation	Category 1
Oxidizing Liquids	Category 2

Label elements

EMERGENCY OVERVIEW

DANGER

Hazard Statements

HARMFUL IF SWALLOWED
Harmful in contact with skin
Fatal if inhaled
Causes severe skin burns and eye damage
combustible liquid

**Appearance** clear**Physical state** Liquid**Odor** vinegar**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Wear protective gloves/protective clothing/eye protection/face protection
 Do not breathe dust/fume/gas/mist/vapors/spray
 Use only outdoors or in a well-ventilated area
 In case of inadequate ventilation wear respiratory protection

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician
 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a POISON CENTER or doctor/physician
 Call a POISON CENTER or doctor if you feel unwell
 Wash contaminated clothing before reuse
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
 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
 Call a POISON CENTER or doctor if you feel unwell
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 Rinse mouth
 Do NOT induce vomiting

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed
 Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

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

- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

3. Composition/information on Ingredients

Chemical name	CAS-No	Weight %	Trade secret
Peroxyacetic acid	79-21-0	5-5.9	
Hydrogen peroxide	7722-84-1	25-27.4	
Acetic acid	64-19-7	3-8	

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	Rinse skin immediately with plenty of water for 15-20 minutes. Call a 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 Treat symptomatically.

5. Fire-fighting measures

Suitable extinguishing media

Water spray, Carbon dioxide (CO₂), Foam, Dry powder.

Unsuitable extinguishing media No information available.

Specific hazards arising from the chemical

No information available.

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 skin and eyes. Provide adequate ventilation. Wear protective gloves/protective clothing and eye/face protection. Wash thoroughly after handling.

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. Do not let spilled or leaking material enter waterways.

Methods and material for containment and cleaning up

Methods for Clean-Up To clean and neutralize spill area, tools and equipment, wash with a suitable solution of caustic or soda ash, and an appropriate alcohol. Follow this by washing with a strong soap and water solution.

7. Handling and Storage

Precautions for safe handling

Handling Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing and eye/face protection.

Conditions for safe storage, including any incompatibilities

Storage	Keep in a dry, cool and well-ventilated place. Store out of direct sunlight. Keep container closed when not in use.
incompatible materials	reducing agents. Soft metals. Strong bases.

8. Exposure Controls/Personal Protection**Exposure guidelines**

Chemical name	ACGIH TLV	OSHA PEL
Peroxyacetic acid	STEL: 0.4 ppm inhalable fraction and vapor	
Hydrogen peroxide	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m ³ (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m ³
Acetic acid	STEL: 15 ppm TWA: 10 ppm	TWA: 10 ppm TWA: 25 mg/m ³ (vacated) TWA: 10 ppm (vacated) TWA: 25 mg/m ³

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**

Where there is potential for eye contact have eye flushing equipment available. Use eye protection to avoid eye contact. Goggles. If splashes are likely to occur, wear: Face-shield. Chemical resistant protective clothing. Chemical resistant gloves. Chemical resistant footwear plus socks.

Skin protection**Respiratory protection**

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

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

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

Physical state	Liquid		
Appearance	clear	Odor	vinegar
color	Colorless		
Property	VALUES	Remarks/ • Method	
pH	1	< (1% aq)	
Melting point/freezing point	No information available		
Boiling Point/Range	No information available		
Flash Point	> 93 °C / > 200 °F		
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	22 mmHg		
Vapor Density	No information available		
Specific gravity	1.12		

Water solubility	completely soluble
Solubility in Other Solvents	No information available
Partition coefficient: n-octanol/water	No information available
Autoignition temperature	>270 °C / >518 °F
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Dynamic viscosity	5-15 cSt @ 20 C
Explosive properties	No information available
Oxidizing properties	No information available

OTHER INFORMATION

Softening point	No information available
molecular weight	No information available
VOC Content	No information available
density	No information available
Bulk density	No information available

10. Stability and Reactivity**Reactivity**

Reactive with bases, metals, reducing agents and combustible materials. no data available

Chemical stability

Product is stable for up to 1 year when stored under normal conditions.

Possibility of hazardous reactions

May react with incompatible materials.

Conditions to avoid

Incompatible Products. High temperatures.

incompatible materials

reducing agents. Soft metals. Strong bases.

Hazardous decomposition products

Oxygen which supports combustion.

11. Toxicological Information**Information on Likely Routes of Exposure**

Product information	Deccosan 5 ATE Oral = 668 mg/kg ATE dermal = 4084 mg/kg ATE inhalation = >20 mg/L or > 20,000 ppm
Inhalation	Inhalation of the mist may produce severe irritation of respiratory tract, characterized by coughing, choking, shortness of breath, headaches, dizziness, nausea, weakness and/or drowsiness.
Eye contact	Corrosive to the eyes and may cause severe damage including blindness.
Skin contact	corrosive. Contact causes severe skin irritation and possible burns.
Ingestion	Accidental ingestion will cause corrosive burns to the mouth, throat, and digestive tract including stomach. Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation. Severe scarring of tissue, corrosion, permanent tissue destruction and death may result. Symptoms include severe pain, nausea, vomiting, diarrhea, shock, hemorrhaging and/or fall in blood pressure. Damage may appear days

after exposure.

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
Hydrogen peroxide 7722-84-1	A3	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 - Product information

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 668 mg/kg
ATEmix (dermal) 4084 mg/kg
ATEmix (inhalation-vapor) >20 mg/l

12. Ecological Information

ecotoxicity

May be harmful to aquatic life

Persistence/Degradability

This substance is not considered to be persistent. Readily biodegradable.

Bioaccumulation/ Accumulation

Not likely to bioaccumulate.

Chemical name	Log Pow
Acetic acid 64-19-7	-0.31

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.

Chemical name	Peroxyacetic acid
Hydrogen peroxide	Acetic acid

14. Transport Information

DOT

UN-No	UN3098
Proper shipping name	Oxidizing liquid, corrosive, n.o.s. (contains hydrogen peroxide and peroxyacetic acid mixture, stabilized)
Hazard class	5.1
Subsidiary class	(8)
Packing group	PG II

IATA

UN-No	UN3098
Proper shipping name	Oxidizing liquid, corrosive, n.o.s. (contains hydrogen peroxide and peroxyacetic acid mixture, stabilized)
Hazard class	5.1
Subsidiary class	(8)
Packing group	PG II

IMDG/IMO

UN-No	UN3098
Proper shipping name	Oxidizing liquid, corrosive, n.o.s. (contains hydrogen peroxide and peroxyacetic acid mixture, stabilized)
Hazard class	5.1
Subsidiary class	(8)
Packing group	PG II

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

Corrosive. Causes irreversible eye damage. Causes severe skin irritation/burns. Harmful if swallowed or absorbed through the skin. May be fatal if inhaled. Harmful if swallowed. Toxic to fish and aquatic organisms.

International Inventories

USINV	Does not comply
DSL/NDSL	Does not comply
EINECS/ ELINCS	Does not comply
ENCS	Does not comply
China	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply
TSCA	Does not comply

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 NO
 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
Acetic acid 64-19-7	5000 lb			X

Chemical name	RQ	CERCLA EHS RQs	RQ
Peroxyacetic acid 79-21-0	-	500 lb	
Hydrogen peroxide 7722-84-1	-	1000 lb	
Acetic acid 64-19-7	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

CERCLA

Component	RQ
Acetic acid 64-19-7 (3-8)	5000 lb
Component	CERCLA EHS RQs
Peroxyacetic acid 79-21-0 (5-5.9)	500 lb
Hydrogen peroxide 7722-84-1 (25-27.4)	1000 lb

RCRA

Pesticide Information

State Regulations

State Right-to-Know

International regulations

U.S. EPA Label information

EPA Pesticide registration number 63838-1-2792

16. Other Information

NFPA HEALTH 3 flammability 2 Instability 0 Physical hazard OXY

Preparation Date 09-Mar-2017

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Revision Summary

Add to system

Disclaimer

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying

or using this product. If the terms are not acceptable, return product at once, unopened, and the purchase price will be refunded. It is impossible to eliminate all risks associated with the use of this product. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Decco US Post-Harvest, Inc. harmless from any claims relating to such factors.

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