




Material Safety Data Sheet

NFPA	PPE		
			

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Revision Number: 6

1. PRODUCT AND COMPANY IDENTIFICATION

DECCO

Decco U.S. Post Harvest, 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 U.S. Post Harvest, Inc.

Contact Information

Customer Service

Phone Number

626-358-1838

Available Hrs

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

Product Name

DECCO Potato Stabilizer 219

Recommended Use

Color stabilizing solution

Product Code

13-219

2. HAZARDS IDENTIFICATION

Emergency Overview

Irritating to respiratory system
May cause allergic skin reaction
May cause allergic respiratory reaction
May cause eye and skin irritation

WARNING!

Appearance Clear, Colorless.

Physical State Liquid.

Odor Rotten egg-like.

Potential Health Effects

- Inhalation
- Skin contact

Acute Effects

Overexposure to fumes may result in severe respiratory irritation and, in severe cases, pulmonary edema (accumulation of fluid in the lungs) and death. Repeated inhalation may cause an asthma-like allergic respiratory reaction and repeated or prolonged contact may cause an allergic skin reaction.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Name

Chemical Name	CAS-No	Weight %	OSHA PEL
Sodium tripolyphosphate	7758-29-4	1-20	N/A
Sodium bisulfite	7681-57-4	5-40	5 mg/m ³

4. FIRST AID MEASURES

Eye Contact

Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after 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.
If skin irritation persists, call a physician

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
Never give anything by mouth to an unconscious person
Call a physician immediately
Do not induce vomiting unless told to do so by a poison control center or doctor

Notes to Physician

No information available

5. FIRE-FIGHTING MEASURES

Flammable Explosive Properties

Flash Point

Not available

Autoignition Temperature

Not available

Flammability Limits in Air

Not available

Extinguishing Media

Use: Water spray, Carbon dioxide (CO₂), Foam, Dry chemical.

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

Sulfur dioxide gas upon rx with acid or upon heating.

NFPA

Health 2

Flammability 0

Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with the skin and the eyes. Use personal protective equipment.
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. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Avoid contact with skin and eyes.
Storage	Keep out of the reach of children. Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL
Sodium bisulfite	5 mg/m ³	5 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 .
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Personal Protective Equipment

Eye/face Protection

Goggles. Avoid contact with eyes.

Skin Protection

Rubber gloves. Wear protective gloves/clothing.

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

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

9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	Clear Colorless	Odor	Rotten egg-like
Physical State	Liquid	pH	approx.5
Boiling Point/Range	Not available	Melting Point/Range	Not available
Specific Gravity	1.3 g/cc	Solubility	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	Not available		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions
Conditions to Avoid	Keep away from children.
Incompatible Materials	Strong acids. Strong oxidizing agents.
Hazardous Decomposition Products	Oxides of sulfur.
Possibility of Hazardous Polymerization	Hazardous polymerisation does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Sodium metabisulfite

Workers severely overexposed to fumes developed severe pulmonary edema (accumulation of fluid in the lungs) and subsequently died. Repeated exposure in the workplace has resulted in allergic skin and respiratory reactions with asthma-like symptoms such as bronchospasm. The use of this material as a food additive has also been reported to cause adverse allergic reactions such as hives and asthma in sulfite-sensitive individuals. Following repeated oral administration, lesions in the stomach lining and kidney damage were observed in rats. No effects were seen on the ability of male or female rats to reproduce when exposed orally for three successive generations. No genetic changes were observed in tests using bacteria, but were observed in tests using animals.

Sodium tripolyphosphate

Single exposure studies indicate that this material is practically non-toxic if swallowed (rat LD50 5,400-6,500 mg/kg) or absorbed through skin (rabbit LD50 >7,490 mg/kg) no more than moderately toxic if inhaled (rat 4 hr LC0 0.39 mg/l) slightly irritating to rabbit eyes (3.3/110) and non-irritating to rabbit skin (0.0/8.0)

Long term administration in the diet of rats produced decreased growth, increased kidney to body weight ratios, and kidney changes. No evidence for carcinogenic effects were observed in this study. No birth defects were noted in the offspring of rabbits exposed orally during pregnancy. No effects were seen on the ability of male and female rats to reproduce when fed for three successive generations. No genetic changes were observed in tests using bacteria, animal cells or animals.

Chronic Toxicity

There are no known carcinogenic chemicals in this product

Carcinogenicity

12. ECOLOGICAL INFORMATION

Ecotoxicity

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. Do not apply directly to wetlands or water..

Contaminated Packaging

Empty containers should be taken for local recycling, recovery or waste disposal

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name

Bisulfites, aqueous solutions, n.o.s. (Sodium metabisulfite)

14. TRANSPORT INFORMATION

Hazard Class	8
UN-No	2693
Packing Group	PG III
Reportable Quantity (RQ):	5,000 (Sodium tripolyphosphate)

ICAO

UN-No	2693
Proper Shipping Name	Bisulphites, aqueous solution, n.o.s. (Sodium metabisulfite)
Hazard Class	8
Packing Group	PG III

IATA

UN-No	2693
Proper Shipping Name	Bisulfites, aqueous solution, n.o.s. (Sodium metabisulfite)
Hazard Class	8
Packing Group	PG III
ERG Code	8L

IMDG/IMO

Proper Shipping Name	Bisulfites, aqueous solution, n.o.s. (Sodium metabisulfite)
Hazard Class	8
UN-No	2693
Packing Group	PG III
EmS No.	F-A, S-B

15. REGULATORY INFORMATION

International Inventories

Sodium tripolyphosphate

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

Sodium bisulfite

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 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 tripolyphosphate	5000 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 tripolyphosphate	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 tripolyphosphate	Listed.	Substance no. 3042 Listed.	Listed.	Listed.	
Sodium bisulfite	Listed.	Substance no. 1708 Listed.	Listed.	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

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Revision Date 21-Sep-2011

Revision Summary
Update section 3

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End of MSDS