



Safety Data Sheet

Preparation Date 01-Apr-2015

Revision date 01-Dec-2015

Revision Number: 2

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

Product identifier

Product Description: DECCO FRUIT & VEGETABLE KLEEN® 241

Other means of identification

Item#: 24-241

Synonyms: Not Available

Recommended use of the chemical and restrictions on use

Recommended use: Cleaner for postharvest washing of fruits and vegetables.

Uses advised against: Activities contrary to label recommendation

Details of the Supplier of the Safety Data Sheet

Manufacturer 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 not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Label elements

EMERGENCY OVERVIEW

appearance: clear Light yellow

Physical state: liquid

Odor: No information available

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

3. Composition/information on Ingredients

| Chemical name | CAS-No | Weight % | Trade secret |
|---------------------------------|------------|----------|--------------|
| Sodium dodecylbenzene sulfonate | 25155-30-0 | 1-20 | |

*The exact percentage (concentration) 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 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 | Wash off with warm water and soap. Take off contaminated clothing. If symptoms persist, call a physician. |
| Inhalation | If breathing is irregular or stopped, administer artificial respiration. Call a poison control center or doctor for further treatment advice. |
| Ingestion | Call a physician or poison control center immediately. Clean mouth with water. Never give anything by mouth to an unconscious person. |

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.

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 productsNo 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 the skin and the eyes. Use personal protective equipment.

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 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**Precautions for safe handling**

Handling Avoid contact with skin and eyes. Keep out of reach of children. Empty containers may contain hazardous residues.

Conditions for safe storage, including any incompatibilities

Storage Keep in a dry, cool and well-ventilated place. Keep out of the reach of children.

incompatible materials No materials to be especially mentioned.

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

Goggles. Avoid contact with eyes. If splashes are likely to occur, wear:. Where there is potential for eye contact have eye flushing equipment available.

Skin protection

Chemical resistant gloves. Chemical resistant apron.

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. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

| | | | |
|---|--------------------------|---------------------------------|--------------------------|
| Physical state | liquid | Odor | No information available |
| appearance | clear Light yellow | | |
| color | No information available | | |
| <u>Property</u> | <u>VALUES</u> | <u>Remarks/ • Method</u> | |
| pH | 8 | | |
| Melting point/freezing point | No information available | | |
| Boiling Point/Range | No information available | | |
| Flash Point | > 200 F | Tag Closed Cup | |
| 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 | 1.02 | | |
| 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 | No information available |
| molecular weight | No information available |
| VOC Content | No information available |
| density | No information available |
| Bulk density | 8.51 lb/gal |

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.

incompatible materials

No materials to be especially mentioned.

Hazardous decomposition products

No information available.

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 dodecylbenzene sulfonate

Single exposure studies indicate that this material is slightly toxic if swallowed (rat LD50 1,260 mg/kg) moderately toxic if absorbed through skin (rat minimal dose 200-1,260 mg/kg) and severely irritating to rabbit skin and eyes.

Allergic skin reactions were observed in guinea pigs. Studies with human volunteers have shown moderate skin irritation, but no evidence of allergic skin reactions. Repeated administration in the drinking water or diet of rats produced adverse effects on the kidney and intestinal lining and hemosiderosis in the spleen, liver and kidney; hemosiderosis in the spleen was also observed in dogs. Long term dietary administration resulted in decreased weight gain and changes in the liver, kidney and intestinal lining. No tumors were observed in rats following long-term inhalation exposure or in mice following long-term application to the skin. Adverse effects were observed in the offspring of mice exposed orally and dermally during pregnancy, but only at amounts that produced adverse effects in the mother. No effects were seen on the ability of male or female rats to reproduce following administration in the diet for 3 generations. No genetic changes were observed in tests using bacteria or animal cells.

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.
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

No information available

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 Dispose of in accordance with all applicable federal, state, and local laws and regulations.

Contaminated packaging Refer to product label. Non refillable container. Do not reuse this container.

14. Transport Information

DOT NOT REGULATED

TDG NOT REGULATED

IATA NOT REGULATED

IMDG/IMO NOT REGULATED

15. Regulatory Information

International Inventories

USINV Not determined

| | |
|-------------------|-----------------|
| DSL/NDSL | Not determined |
| EINECS/ ELINCS | Complies |
| ENCS | Does not comply |
| 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 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 dodecylbenzene sulfonate 25155-30-0 | 1000 lb | | | X |

| Chemical name | RQ | CERCLA EHS RQs | RQ |
|---|---------|----------------|--|
| Sodium dodecylbenzene sulfonate 25155-30-0 | 1000 lb | | RQ 1000 lb final RQ RQ 454 kg final RQ |

CERCLA

| Component | RQ |
|--|---------|
| Sodium dodecylbenzene sulfonate 25155-30-0 (1-20) | 1000 lb |

RCRA

Pesticide Information

State Regulations

State Right-to-Know

| Chemical name | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|---------------------------------|---------------|------------|--------------|----------|--------------|
| Sodium dodecylbenzene sulfonate | X | X | X | | |

International regulations

U.S. EPA Label information

EPA Pesticide registration number Not applied

16. Other Information

NFPA HEALTH 2 flammability 0 Instability 0 Physical hazard -

Preparation Date 01-Apr-2015

Revision date 01-Dec-2015

Revision Summary

Update section 12

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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