

Safety Data Sheet

Category 3

Revision Number: 2

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

Revision date 01-Dec-2015

Product identifier Product Description:	DECCO Apl Lustr 229
Other means of identification	
Item#:	24-229
Synonyms	Not Available
Recommended use of the chemica	l and restrictions on use
Recommended use	Apple wax coating.
Uses advised against	Activties contrary to label recomendation
Details of the Supplier of the Safet	y 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
3 3 3 3	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)

FLAMMABLE LIQUIDS

Keep only in original container

Ground/bond container and receiving equipment

Label elements

	EMERGENCY OVERVIEW	
WARNING		
Flammable liquid and vapor		
appearance brown translucent	Physical state liquid	Odor No information available
Precautionary Statements - Prevention Do not spray on an open flame or other igr	nition source	

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Use explosion-proof electrical/ventilating/lighting/ .? /equipment Take precautionary measures against static discharge Take precautionary measures against static discharge Wear protective gloves/protective clothing/eye protection/face protection

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards Not Otherwise Classified (HNOC) OTHER INFORMATION

3. Composition/information on Ingredients

Chemical name	CAS-No	Weight %	Trade secret
Isopropanol	67-63-0	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. If symptoms persist, call a physician.	
Skin contact	Rinse skin immediately with plenty of water for 15-20 minutes. If skin irritation persists, call a physician.	
Inhalation	If breathing is irregular or stopped, administer artificial respiration. Call a physician or poison control center immediately.	
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 Effe	ects, 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 products Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights, and other flames and ignition sources at locations distant from material handling point. Oxides of nitrogen. Carbon monoxide.

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	Remove all sources of ignition. 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 pertinenet environmental permits.	
Methods and material for containm	ent and cleaning up	
Methods for Clean-Up	Remove all ignition sources. Use non-sparking tools. Ground and bond containers when transferring material. Take precautionary measures against static discharges. 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	Remove all sources of ignition. Keep away from heat, sparks and open flame No smoking. Do not eat, drink or smoke when using this product. Keep out of reach of children. Check that all equipment is properly bonded and grounded. Empty containers may contain hazardous residues.	
Conditions for safe storage, includ	ing any incompatibilities	
Storage	Static electricity may accumulate when transferring material. All containers must be bonded and grounded during filling and emptying operations. Keep out of the reach of children. Keep containers tightly closed in a dry, cool and well-ventilated place.	
incompatible materials	Acids. Strong bases.	
8. Exposure Controls/Personal Protection		

Exposure guidelines

Chemical name	ACGIH TLV	OSHA PEL
Isopropanol	STEL: 400 ppm	TWA: 400 ppm TWA: 980 mg/m ³
	TWA: 200 ppm	(vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³
		(vacated) STEL: 500 ppm (vacated) STEL: 1225 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	Use eye protection to avoid eye contact. Avoid contact with eyes. Goggles.	
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

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 brown translucent No information available	Odor	No information available
Property	VALUES	Remarks/ • Method	
рН	9		
Melting point/freezing point	No information available		
Boiling Point/Range	No information available		
Flash Point	23.9 °C / 75 °F	Pensky Martin Closed C	up
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	1.03		
Water solubility	No information available		
Solubility in Other Solvents	No information available		
Partition coefficient: n-octanol/wate			
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	No information available No information available No information available No information available		
Bulk density	8.59 lb/gal		

10. Stability and Reactivity

Reactivity no data available

<u>Chemical stability</u> Stable under recommended storage conditions. <u>Possibility of hazardous reactions</u> None under normal processing. <u>Conditions to avoid</u> Keep away from children. Keep away from open flames, hot surfaces and sources of ignition. Heat, flames and sparks. <u>incompatible materials</u> Acids. Strong bases. <u>Hazardous decomposition products</u> Nitrogen oxides (NOx). Carbon monoxide.

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

Isopropanol: No skin irritation was reported in humans following a single 24 hour exposure. Low doses (2.6 and 6.4 mg) given daily to human volunteers orally for 6 weeks was without adverse effects on the blood. Signs of toxicity in rodents following single oral or inhalation exposures included sensory irritation, liver effects, narcosis and CNS depression. Skin irritation and injury were observed in rabbits following repeated skin application, while sensory irritation, liver and kidney changes and narcosis were observed in rats and mice following repeated inhalation. No signs of nervous system toxicity were observed in rats or mice follwing repeated inhalation in rats following repeated administration in drinking water. No adverse effects were observed in dogs following repeated administration in drinking, while a decrease in body weight gain was the only adverse effect reported in rats. Long-term skin application produced no skin tumors in mice. No increase in lung tumors occurred in mice after loong-term inhalation. No signs of neurotoxicity or developmental toxicity were noted in the offspring of rats exposed orally during pregnancy. No birth defects werenoted in the offspring of rats and rabbits expsoed orally during pregnanc, even at amounts which produced toxic effects in the mothers and offspring. Birth defects were reported in the offspring of rats exposed by inhalation during pregnanacy, but only at levels whcih produced significant adverse effects on the mothers. No genetic changes were observed in tests using bacteria or animal cells or animals. Single exposure studies indicate that this material is slightly to practically non-toxic if swallowed (rat LD50 4,475-7,990 mg/kg) practically non-toxic if absorbed through the skin (rabbit LD50 6,300-13,000 mg/kg) or inhaled (rat 8 hr LC50 51 mg/l), moderately irritating ot rabbit eyes (15.8-27/110) and slightly irritating to rabbit skin (4 hr exposure 2/8)

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Isopropanol 67-63-0	= 4396 mg/kg(Rat)	12800 mg/kg (Rat) 12870 mg/kg (Rabbit)	72.6 mg/L (Rat)4 h

Information on Toxicological Effects

Symptoms

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

sensitization Mutagenic effects Carcinogenicity	No informatio	No information available. No information available. The information below indicates whether any agency has listed any ingredient as a carcinogen.		
Chemical name	ACGIH	IARC	NTP	OSHA
Isopropanol	-	Group 3		-
67-63-0				
Reproductive effects	Not Available	·.		
STOT - Single Exposure	No informatio	No information available.		
STOT - repeated exposure	e No informatio	No information available.		
Target organ effects	Respiratory S	Respiratory System, EYES, skin.		

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 .

12. Ecological Information

ecotoxicity

No information available

Persistence/Degradability

No information available.

Bioaccumulation/ Accumulation

Bioaccumulative potential.

Chemical name	Log Pow
Isopropanol 67-63-0	0.05

Other Adverse Effects

No information available

13. Disposal Considerations		
Waste Treatment Methods		
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	Do not reuse empty containers.	

Chemical name

Isopropanol

14. Transport Information

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Not regulated as per 173.150 (e) of 49 CFR.

<u>ICAO</u> UN-No Proper shipping name Hazard class Packing group	1866 Resin solution 3 PGIII
<u>IATA</u> UN-No Proper shipping name Hazard class Packing group	1866 Resin solution 3 PG III
IMDG/IMO UN-No	1866

Proper shipping name	Resin solution
Hazard class	3
Packing group	PG III
EmS No.	F-E, S-E

15. Regulatory Information

International Inventories USINV DSL/NDSL	Not determined Not determined
EINECS/ ELINCS ENCS	Complies 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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372:

1.0		
1.0		
yes		
NO		
yes		
No		
No		
	NO yes No	

CERCLA RCRA Pesticide Information

State Regulations

State Right-to-Know **Chemical name** Massachusetts New Jersey Pennsylvania Illinois Rhode Island Isopropanol Х Х Х

International regulations U.S. EPA Label information

EPA Pesticide registration number Not applied

16. Other Information						
<u>NFPA</u>	HEALTH 2	flammability 3	Instability 0	Physical hazard -		
Preparation Date	01-Apr-2015					
Revision date	01-Dec-2015					
Revision Summary						
Update section 3 Update section 11 Update section 12						
Disclaimer						
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NOTICE: Read the e	entire Directions for Us	e and Conditions of Sale	and Limitation of Warra	nty and Liability before buying		

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