



# Safety Data Sheet

Preparation Date 07-Apr-2015

Revision date 11-Dec-2015

Revision Number: 2

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

### Product identifier

**Product Description:** APL-BRITE® 330C

### Other means of identification

**Item#:** 24-330C

**Synonyms** Not Available

### Recommended use of the chemical and restrictions on use

**Recommended use** Carnauba coating for apples.

**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** grey brown translucent

**Physical state** liquid

**Odor** odorless

### Hazards Not Otherwise Classified (HNOC)

### OTHER INFORMATION

## 3. Composition/information on Ingredients

Chemical name	CAS-No	Weight %	Trade secret
Morpholine oleate	1095-66-5	1-40	

The product contains no substances which at their given concentration, are considered to be hazardous to health under the OSHA 2012 HazCom.

## 4. First aid measures

### FIRST AID MEASURES

<b>Eye contact</b>	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.
<b>Skin contact</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advice.
<b>Inhalation</b>	If breathing is irregular or stopped, administer artificial respiration. MAY CAUSE ALLERGIC RESPIRATORY REACTION. Call a poison control center or doctor for further treatment advice.
<b>Ingestion</b>	Call a physician or poison control center immediately. Clean mouth with water. Call a physician or poison control center for treatment advice. Never give anything by mouth to an unconscious person.

### Most Important Symptoms and Effects, Both Acute and Delayed

**Most Important Symptoms and Effects** Hives.

### 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** Avoid breathing fumes from fire exposed material.

### Explosion data

### Protective equipment and precautions for firefighters

Use personal protective equipment. 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. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Avoid breathing vapors or mists. Do not eat, drink or smoke when using this product. Keep out of reach of children. Wash thoroughly after handling.

### 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** Acids.

## 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**

Avoid contact with eyes. Use eye protection to avoid eye contact. Goggles.

**Skin protection**

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. Remove and wash contaminated clothing before re-use. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection.

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

<b>Physical state</b>	liquid	<b>Odor</b>	odorless
<b>appearance</b>	grey brown translucent		
<b>color</b>	No information available		

<u>Property</u>	<u>VALUES</u>	<u>Remarks/ • Method</u>
pH	9	
Melting point/freezing point	No information available	
Boiling Point/Range	No information available	
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	1.001	

<b>Water solubility</b>	No information available
<b>Solubility in Other Solvents</b>	No information available
<b>Partition coefficient: n-octanol/water</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>decomposition temperature</b>	No information available
<b>Viscosity, kinematic</b>	No information available
<b>Dynamic viscosity</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available

**OTHER INFORMATION**

<b>Softening point</b>	No information available
<b>molecular weight</b>	No information available
<b>VOC Content</b>	No information available
<b>density</b>	No information available
<b>Bulk density</b>	8.35 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**

Acids.

**Hazardous decomposition products**

No information available.

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

<b>Inhalation</b>	There is no data available for this product.
<b>Eye contact</b>	There is no data available for this product.
<b>Skin contact</b>	There is no data available for this product.
<b>Ingestion</b>	There is no data available for this product.

**Component Information**

Morpholine oleate: No toxic or carcinogenic effects were observed in mice following repeated exposure in their drinking water.

**Information on Toxicological Effects****Symptoms** No information available.**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>sensitization</b>	No information available.
<b>Mutagenic effects</b>	No information available.
<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product.
<b>Reproductive effects</b>	Not Available.
<b>STOT - Single Exposure</b>	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** Do not reuse empty containers.

## 14. Transport Information

**DOT** NOT REGULATED

**TDG** NOT REGULATED

**IATA** NOT REGULATED

**IMDG/IMO** NOT REGULATED

## 15. Regulatory Information

### International Inventories

<b>USINV</b>	Not determined
<b>DSL/NDSL</b>	Not determined
<b>EINECS/ ELINCS</b>	Complies
<b>ENCS</b>	Does not comply
<b>China</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies
<b>TSCA</b>	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

#### CERCLA

#### RCRA

#### Pesticide Information

#### State Regulations

#### State Right-to-Know

#### 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                      07-Apr-2015  
 Revision date                      11-Dec-2015

#### Revision Summary

Update Section 9 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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