



Safety Data Sheet

Preparation Date 19-May-2015

Revision date 19-May-2015

Revision Number: 1

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

Product identifier

Product Description: DECCO 276 EC

Other means of identification

Item#: 24-276
UN-No 1219
Synonyms Not Available
Registration number(s) 2792-40

Recommended use of the chemical and restrictions on use

Recommended use Potato sprout inhibitor.
Uses advised against Activities contrary to label recommendation

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 - Dermal	Category 4
Acute toxicity - Inhalation (Vapors)	Category 3
Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 2

Label elements

EMERGENCY OVERVIEW

DANGER

hazard statements

Harmful in contact with skin
Toxic if inhaled
Causes serious eye irritation
Suspected of causing cancer
May cause damage to organs through prolonged or repeated exposure

**appearance** viscous yellow**Physical state** liquid**Odor** No information available**Precautionary Statements - Prevention**

Do not handle until all safety precautions have been read and understood
 Do not handle until all safety precautions have been read and understood
 Wear cold insulating gloves/face shield/eye protection
 Use only outdoors or in a well-ventilated area
 Wash face, hands and any exposed skin thoroughly after handling
 Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 If eye irritation persists: Get medical advice/attention
 IF ON SKIN: Wash with plenty of soap and water
 Call a POISON CENTER or doctor if you feel unwell
 Wash contaminated clothing before reuse
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
 Call a POISON CENTER or doctor/physician

Precautionary Statements - Storage

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

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
- May be harmful in contact with skin

3. Composition/information on Ingredients

Chemical name	CAS-No	Weight %	Trade secret
Chlorpropham	101-21-3	25.5	
Isopropanol	67-63-0	5-40	

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 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. Call 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.
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Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to physician	No information available.
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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.

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. Take precautionary measures against static discharges. Pay attention to flashback.
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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.
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Methods and material for containment and cleaning up

Methods for Clean-Up	Remove all ignition sources. Use non-sparking tools. Ground and bond containers when transferring material. 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. Keep in suitable and closed containers for disposal.
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7. Handling and Storage

Precautions for safe handling

Handling	Keep out of reach of children. Check that all equipment is properly bonded and grounded. Do not eat, drink or smoke when using this product. Remove all sources of ignition. To
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avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Empty containers may contain hazardous residues. Avoid breathing vapors or mists. Wear personal protective equipment. Remove and wash contaminated clothing before re-use.

Conditions for safe storage, including any incompatibilities

Storage Store at room temperature. Static electricity may accumulate when transferring material. All containers must be bonded and grounded during filling and emptying operations. Keep containers tightly closed in a dry, cool and well-ventilated place.

incompatible materials Strong acids. Strong bases.

8. Exposure Controls/Personal Protection

Exposure guidelines

Chemical name	ACGIH TLV	OSHA PEL
Isopropanol	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (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

Skin protection

Respiratory protection

Avoid contact with eyes. Goggles.

Chemical resistant gloves. Chemical resistant apron. Wear protective gloves/clothing. 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. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection. Remove and wash contaminated clothing before re-use.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

<p>Physical state</p> <p>appearance</p> <p>color</p>	<p>liquid</p> <p>viscous yellow</p> <p>No information available</p>	<p>Odor</p> <p>No information available</p>
<p>Property</p> <p>pH</p> <p>Melting point/freezing point</p> <p>Boiling Point/Range</p> <p>Flash Point</p> <p>Evaporation Rate</p> <p>flammability (solid, gas)</p> <p>Flammability limit in air</p> <p style="padding-left: 20px;">Upper Flammability Limit</p> <p style="padding-left: 20px;">Lower Flammability Limit</p> <p>vapor pressure</p>	<p>VALUES</p> <p>No information available</p> <p>No information available</p> <p>No information available</p> <p>40 °F</p> <p>No information available</p> <p>No information available</p> <p>No information available</p> <p>No information available</p> <p>No information available</p> <p>No information available</p> <p>No information available</p>	<p>Remarks/ • Method</p> <p>Pensky Martin Closed Cup</p>

Vapor Density	No information available
Specific gravity	1.0 g/cc
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	8.35 lbs/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 open flames, hot surfaces and sources of ignition.

incompatible materials

Strong acids. Strong bases.

Hazardous decomposition productsCarbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

11. Toxicological Information

Information on Likely Routes of Exposure**Product information**

Decco 276 EC
 Oral LD50 (rat) 3950 mg/kg
 Dermal LD50 (rabbit) = >2000 mg/kg
 Inhalation LC50 (rat) = >5 mg/L

Inhalation

May cause irritation of respiratory tract.

Eye contact

Moderately irritating to the eyes.

Skin contact

May be harmful if absorbed through the skin.

Ingestion

MAY BE HARMFUL IF SWALLOWED.

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Chlorpropham 101-21-3	= 4200 mg/kg bw (Rat)	> 2000 mg/kg bw (rat)	> 0.5 mg/l (rat)
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 No information available.

Mutagenic effects No information available.

Carcinogenicity The information below indicates whether any agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Chlorpropham 101-21-3	-	Group 3		-
Isopropanol 67-63-0	-	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

LD50 Oral 3950 mg/kg (rat)

LD50 Dermal > 2000 mg/kg (rabbit)

LC50 Inhalation: Inhalation LC50 > 5 mg/l (rat)

12. Ecological Information

ecotoxicity

Do not apply directly to water to areas where surface water is present or to intertidal areas below the mean high water mark. Do not clean equipment or dispose of equipment washwater in a manner that will contaminate water resources or areable land. Do not apply when weather conditions favor drift from treated areas.

Persistence/Degradability

No information available.

Bioaccumulation/ Accumulation

No information available.

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

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	Isopropanol
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14. Transport Information

DOT

UN-No	1219
Proper shipping name	Isopropanol solution
Hazard class	3
Packing group	PG II

ICAO

UN-No	1219
Proper shipping name	Isopropanol solution
Hazard class	3
Packing group	PG II

IATA

UN-No	1219
Proper shipping name	Isopropanol solution
Hazard class	3
Packing group	PG II

IMDG/IMO

UN-No	1219
Proper shipping name	Isopropanol solution
Hazard class	3
Packing group	PG II
EmS No.	F-E, S-D

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 CAUTION

Ventilation Control PESTICIDE APPLICATORS & WORKERS THESE WORKERS MUST REFER TO PRODUCT LABELING AND DIRECTIONS FOR USE IN ACCORDANCE WITH EPA WORKER PROTECTION STANDARD 40 CFR PART 170.

Harmful if absorbed through the skin. Causes moderate eye irritation.

International Inventories

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

Y

Chemical name	SARA 313 - Threshold Values
Isopropanol - 67-63-0	1.0

SARA 311/312 Hazardous

Categorization

Acute health hazard	yes
Chronic health hazard	NO
Fire hazard	No
Sudden release of pressure hazard	yes
Reactive Hazard	No

CERCLA

RCRA

Pesticide Information

Component	FIFRA - Restricted Use	FIFRA - Pesticide Product Other Ingredients	FIFRA - Listing of Pesticide Chemicals	California Pesticides - Restricted Materials
Chlorpropham 101-21-3 (25.5)			X	
Isopropanol 67-63-0 (5-40)			X	

State Regulations

State Right-to-Know

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Isopropanol	X	X	X		

International regulations

U.S. EPA Label information

EPA Pesticide registration number 2792-40

16. Other Information

NFPA **HEALTH** 1 **flammability** 3 **Instability** 0 **Physical hazard** -

Preparation Date 19-May-2015

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Revision Summary

Update to GHS format

Disclaimer

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