

Issue Date 01/02/2019

Revision Date 09/24/2020

Version 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier**Product Name** Dis Deo II**Other means of identification****Product Code** 5173**Recommended use of the chemical and restrictions on use****Recommended use** Disinfectant Deodorant
Uses Advised Against For industrial and institutional use only.**Details of the supplier of the safety data sheet****Company Name** Blue Cardinal Chemical, LLC
3670 Scarlet Oak Blvd.
St. Louis, MO 63122
800-325-3312**Emergency telephone number****Emergency Telephone** CHEMTEL 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

Flammable Aerosol	Category 2
Liquefied Gas	
Eye Irritant	Category 2A
Specific Target Organ Toxicity (Single Exposure)	Category 3

Label elements**Emergency Overview****DANGER****Hazard statements**

Flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause respiratory irritation, drowsiness, or dizziness.

**Appearance:** Clear, Colorless Spray**Physical state:** Liquefied Gas**Odor:** Neutral**Precautionary Statements - Prevention**

Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash hands thoroughly after handling. Wear eye protection. Use only outdoors or in a well-ventilated area.

Precautionary Statements - Response

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 attention. Avoid breathing dust/fume/gas/mist/vapors/spray. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.

Precautionary Statements - Storage

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Store in a well-ventilated place.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with local, state, and federal law.

Hazards not otherwise classified (HNOC)**Other Information**

• N/A

Unknown Acute Toxicity

0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET
Ethyl Alcohol	64-17-5	40 - 70%	*
Propane	74-98-6	5 - 15%	*
n-Butane	106-97-8	5 - 15%	*
2-Phenylphenol	90-43-7	0.1 - 1.0%	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**First aid measures****Skin Contact**

Wash thoroughly with soap and water for 15 minutes. Seek medical attention if irritation develops.

Eye Contact

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 or attention.

Inhalation

Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention.

Ingestion

Do not induce vomiting. Seek medical attention.

Most important symptoms and effect, both acute and delayed**Symptoms**

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision.

CHRONIC HEALTH HAZARDS: None known.

Indication of any immediate medical attention and special treatment needed**Note to physicians**

There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

Carbon dioxide, standard chemical fire extinguisher, and water fog.

Unsuitable extinguishing media: N/A

Unusual fire and explosion hazards

Flammable Contents under pressure. Exposure to temperatures above 120°F may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition. Contains flammable propellant.

Hazardous combustion products

None Known

Special fire fighting procedures

Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid contact with skin and breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures**Personal precautions**

Refer to section 8 for proper Personal Protective Equipment.

Methods and material for containment and cleaning up**Methods for containment & cleaning up**

Absorb with non-combustible material like vermiculite, sand or earth and rinse with small amount of soapy water. Do not allow to drain into sewers or storm drains. Dispose of in accordance with local, state and federal regulations. Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.

RCRA status

Product should be fully characterized prior to disposal (40 CFR 261).

7. HANDLING AND STORAGE

Precautions for safe handling**Advice on Safe Handling**

Keep out of the reach of children.

Conditions for safe storage, including any incompatibilities**Storage Conditions**

Store in a cool, dry area. Do not use or store near heat or open flames. Exposure to temperatures above 120°F may cause bursting.

Incompatible Materials

Strong alkalis, oxidizers, bases, reactive metals, and natural rubber.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

CHEMICAL NAME	OSHA PEL	ACGIH TLV
Ethyl Alcohol	1000 ppm	1000 ppm
Propane	1000 ppm	1000 ppm
n-Butane	1000 ppm	1000 ppm
2-Phenylphenol	Not Established	1 mg/m3

Appropriate engineering controls**Engineering Controls**

General ventilation and local exhaust should be adequate.

Individual protection measures, such as personal protective equipment

Eye/face protection	Safety glasses
Skin and body protection	Chemical resistant gloves
Respiratory protection	Wear NIOSH/MSHA approved respiratory protection if used in confined, poorly ventilated areas.
Additional Measures	Wash hands and clothing in contact with product after use.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State	Liquefied Gas
Appearance	Clear, Colorless Spray
Color	Clear, Colorless
Odor	Neutral
Odor Threshold	N/D

<u>Property</u>	<u>Values</u>
pH	6.9 - 7.7
Melting Point/Freezing Point	N/D
Initial Boiling Point And Boiling Range	> 170°F
Flash Point	N/D
Evaporation Rate	1
Flammability (Solid/Gas)	Flammable Aerosol
Upper/Lower Flammability Or Explosive Limits	
Lower Flammability Limit	N/D
Upper Flammability Limit	N/D
Explosive Limit Lower(%)	N/D
Explosive Limit Upper(%)	N/D
Vapor Pressure (mm Hg)	44 @ 77°F (25°C)
Vapor Density (AIR=1)	> 1 @ 77°F (25°C)
Relative Density (H2O=1)	0.86 - 0.89 @ 77° F (25° C)
Solubility (IES)	100% water
Partition Coefficient	n-OCTANOL/WATER (KOW): N/D
Autoignition Temperature	N/D
Decomposition Temperature	N/D
Viscosity	N/D

10. STABILITY AND REACTIVITY**Reactivity**

None Known

Chemical Stability

Stable

Possibility of Hazardous Reactions

None Known

Conditions to Avoid

Temperatures greater than 122°F may cause bursting.

Incompatible Materials

Strong alkalis, oxidizers, bases, reactive metals, and natural rubber

Hazardous Decomposition Products

Oxides of carbon

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Eyes, Ingestion, Inhalation, Skin

Product Information

Skin Contact	May cause mild irritation with prolonged or repeated contact
Eye Contact	Causes severe irritation, redness, tearing.
Inhalation	Acute exposure may cause nausea, vomiting, coughing and pulmonary irritation.
Ingestion	Causes gastrointestinal irritation, nausea, vomiting.

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Ethyl Alcohol (64-17-5)	(Oral, Rat) >8311 mg/kg	(Dermal, Rabbit) 16972.5 mg/kg	(Inhalation, Rat, 4hr) 133.6 mg/L
2-Phenylphenol (90-43-7)	(Oral, Rat) 2700 mg/kg	(Dermal, Rabbit) >5000 mg/kg	

Information on toxicological effects

Symptoms

MEDICAL CONDITION AGGRAVATED: Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.

ACUTE HEALTH HAZARDS: Eyes: redness, tearing, blurred vision

CHRONIC HEALTH HAZARDS: None known

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

Carcinogenicity **OSHA:** No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** N/A

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not classifiable as a human carcinogen

NTP (National Toxicology Program)

Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ethyl Alcohol (64-17-5) LC50 (Fish, 96hr) 12,900-15,300 mg/L; LC50 (Bacteria, 24hr) 11,200 mg/L; EC50 (Bacteria, 5- 30 min) 34,900 mg/L. **2-Phenylphenol (90-43-7)** LC50 (Rainbow Trout, 96hr) 4.0 mg/L, LC50 (Daphnia magna, 48hr) 2.0 mg/L

Soil Mobility

This product is mobile in soil.

Persistence and Degradability

Component or components of this product are not biodegradable.

Bioaccumulation

This product is not expected to bioaccumulate.

Other Adverse Effects

None Known

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of wastes	Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection.
RCRA status	Product should be fully characterized prior to disposal (40 CFR 261).

14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

DOT

UN/ID No.	UN 1950
Proper Shipping Name	Aerosols, Ltd. Qty.
Hazard Class	2.1
Packing Group	N/A

AIR SHIPMENT

UN/ID No.	UN 1950
Proper Shipping Name	Aerosols, Flammable
Hazard Class	2.1
Packing Group	N/A

SHIPPING BY WATER: VESSEL (IMO/IMDG)

UN/ID No.	UN 1950
Proper Shipping Name	Aerosols
Hazard Class	2.1
Environmental Hazards Water	N/A
Packing Group	N/A

15. REGULATORY INFORMATION**International Inventories**

TSCA All Chemicals are listed or exempt.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

US Federal Regulations**SARA 313**

Ethyl Alcohol (64-17-5) acute, chronic, flammable.

SARA 311/312 Hazard Categories

Ethyl Alcohol (64-17-5) Acute Health, Chronic Health, Fire

CERCLA

Fire Hazard

CWA (Clean Water Act)

None

US State Regulations

California Proposition 65: 2-Phenylphenol **WARNING:** This product contains a chemical(s) known to the State of California to cause cancer.

International Regulations

All components are listed or exempted.

Volatile Organic Compounds (VOC)

69.4%

U.S. EPA Label 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:

Warning: Causes substantial but temporary eye injury. Harmful if absorbed through skin. Do not get in eyes or on skin or clothing. Wear long-sleeved shirt and long pants, protective eye wear (safety glasses), shoes and socks, and chemical resistant gloves (such as or made out of any water proof material). Wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing. Flammable. Contents under pressure. Keep away from heat, sparks, pilot lights, and flames. Do not puncture or incinerate container. Exposure to temperatures above 130°F (54°C) may cause bursting.

EPA Pesticide Registration Number 44446-67-91641

16. OTHER INFORMATION

NFPA	Health hazards	1	Flammability	3	Reactivity	1	Other	N/A
HMIS	Health hazards	1	Flammability	3	Reactivity	1	Personal protection	B

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Revision Note

N/A = Not Applicable; N/D = Not Determined

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet