

Issue Date 11/18/2013

Revision Date 12/10/2021

Version 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Odor-X: Citrus

Other means of identification

Product Code 5494

Recommended use of the chemical and restrictions on use

Recommended use Odor Eliminator
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
Gases Under Pressure	Liquefied Gas
Eye Irritant	Category 2A

Label elements

Emergency Overview

WARNING

Hazard statements

Flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation.

**Appearance:** Viscous, light yellow gel.**Physical state:** Liquefied Gas**Odor:** Citrus

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.

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 advice or attention.

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 in accordance with federal, state and local regulations.

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

• N/A

Unknown Acute Toxicity

N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT - %	TRADE SECRET
Isopropyl alcohol	67-63-0	7-13%	*
n-Butane	106-97-8	7-13%	*
Propane	74-98-6	1-4%	*

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

4. FIRST AID MEASURES

First aid measures**Skin Contact**

Immediately wash 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

Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation persists. Never give anything by mouth to an unconscious person.

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

ACUTE HEALTH HAZARDS: May cause defatting and dermatitis of the skin. Causes eye irritation including redness, tearing, and pain. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC HEALTH HAZARDS: None known.

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

Treatment of overexposure should be directed at the control of symptoms and the clinical condition.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry chemical, foam or carbon dioxide.

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 sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source.

Hazardous combustion products

Oxides of carbon and unidentified organic compounds may be formed during combustion.

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

Eliminate all sources of ignition. Clean up using rag or use some non-combustible material like vermiculite, sand or earth. Prevent spill from entering sewers, storm drains, and natural waterways. Place waste in proper containers for disposal. U.S. regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll-free number for the U.S. Coast Guard National Response Center is 800-424-8802. 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

Waste likely considered D00 1 (Ignitable waste), under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling

Avoid contact with skin, eyes and clothing. Wear proper personal protective equipment when using this product. Keep out of the reach of children. Read and follow the directions on the product label. They are the best guide to using the product in the most effective manner. The label also gives you the necessary safety precautions to protect your health.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Store in a cool, dry area. Protect from sunlight. Store in a well ventilated area. Do not expose to temperatures exceeding 50 °C/122 °F. Pressurized container: Do not pierce or burn, even after use.

Incompatible Materials

Strong acids, strong alkalis, chlorine.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

CHEMICAL NAME	OSHA PEL	ACGIH TLV
Isopropyl alcohol	400 ppm	200 ppm
n-Butane	Not Established	1000 ppm
Propane	1000 ppm	1000 ppm

Appropriate engineering controls**Engineering Controls**

General ventilation adequate but local exhaust/ventilation preferred.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Safety glasses/goggles.

Respiratory protection

Wear NIOSH/MSHA approved respiratory protection if used in confined, poorly ventilated areas.

Additional Measures

Do not touch eyes when using this product. Wash hands thoroughly with soap and water after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquefied Gas
Appearance	Viscous, light yellow gel
Color	Light yellow
Odor	Citrus
Odor Threshold	N/D

Property**Values**

pH	8.2 - 8.5
Melting Point/Freezing Point	N/D
Initial Boiling Point And Boiling Range	N/D
Flash Point	N/D
Evaporation Rate	Slow
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)	N/D
Vapor Density (AIR=1)	N/D
Relative Density (H2O=1)	0.97 - 1.01 @ 77 °P (25 °C)
Solubility (IES)	N/D
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

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

Temperatures greater than 122 °P and sources of ignition. Avoid incompatibles.

Incompatible Materials

Strong acids, strong alkalis, chlorine.

Hazardous Decomposition Products

None known.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure Eyes, Ingestion, Inhalation, Skin****Product Information**

Skin Contact	May cause mild irritation, localized defatting, dryness.
Eye Contact	Causes irritation. May cause conjunctivitis with possible corneal injury.
Inhalation	May cause respiratory tract irritation, dizziness.
Ingestion	Not a likely route of exposure under normal product handling conditions. May cause gastrointestinal irritation, nausea, diarrhea, dizziness.

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Isopropyl alcohol	(Oral, Rat) 5045 mg/kg	(Dermal, Rabbit) 12870 mg/kg	(Inhalation, Rat, 4h) 78.6 mg/L.
n-Butane			(Inhalation, Rat, 4h) 30957 mg/m ³
Propane			(Inhalation, Rat, 4h) 658 mg/L

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: May cause defatting and dermatitis of the skin. Causes eye irritation including redness, tearing, and pain. Inhalation of mist or vapors may cause respiratory irritation. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

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**

Not established.

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

Waste likely considered DOO 1 (Ignitable waste), under RCRA, however 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**

This product does not contain any chemical components with known CAS numbers that exceed the threshold () reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazard Categories

Flammable (gases, aerosols, liquids, solids). Gas under pressure. Serious eye damage or eye irritation.

CERCLA

Ethyl acetate (141-78-6) Reportable Quantity= 5000 pounds. **Acrylic acid (79-10-7)** Reportable Quantity= 5000 pounds. **Cyclohexane (110-82-7)** Reportable Quantity = 1000 pounds.

CWA (Clean Water Act)

None

US State Regulations

California Proposition 65: None.

U.S. State Right-to-Know Regulations

Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states:

Chemical Name	CA	DE	ID	ME	MA	MN	NJ	PA	NY	RI	WA	CT	FL	IL	TN	LA
Isopropyl alcohol (67-63-0)					X	X	X	X		X		X	X	X	X	
Propylene glycol (57-55-6)								X		X						

International Regulations

No information available.

Volatile Organic Compounds (VOC)

<25%

16. OTHER INFORMATION

NFPA	Health hazards	1	Flammability	1	Reactivity	0	Other	None
HMIS	Health hazards	1	Flammability	1	Reactivity	0	Personal protection	A

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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