

Issue Date 11/18/2013

Revision Date 06/22/2023

Version 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier**Product Name** Orange TR Odor Eliminator**Other means of identification****Product Code** 5303**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 1
Gases Under Pressure	Liquefied Gas
Eye Irritant	Category 2A
Skin Sensitization	Category 1
Specific Target Organ Toxicity (Single Exposure)	Category 3

Label elements

Emergency Overview

DANGER

Hazard statements

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause an allergic skin reaction. May cause respiratory irritation, drowsiness or dizziness.

**Appearance:** Clear, colorless to slight tint spray**Physical state:** Liquefied gas**Odor:** Orange

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. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Wash hands thoroughly after handling. Wear protective gloves and 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. Avoid breathing mist, vapors or spray. Contaminated work clothing must not be allowed out of the workplace. If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Wash contaminated clothing before reuse. Use only outdoors or in a well-ventilated area. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.

Precautionary Statements - Storage

Store in a well-ventilated place.

Precautionary Statements - Disposal

Dispose of contents and container in accordance with local, state and federal regulations. Do not reuse, puncture or incinerate container. Offer for recycling or wrap container and place in trash collection.

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

• N/A

Unknown Acute Toxicity

N/A

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	WEIGHT - %	TRADE SECRET
Acetone	67-64-1	70–80%	*
Propane	74-98-6	20–30%	*
Fragrance	Mixture	1–5%	*

*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 an allergic reaction occurs or an irritation persists. Take off contaminated clothing and wash it before reuse.

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Seek medical attention if irritation persists.

Inhalation

Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration. Seek medical attention if irritation persists.

Ingestion

Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention if irritation develops. 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. May cause an allergic skin reaction. Causes eye irritation including redness, tearing, and pain. May cause respiratory irritation and central nervous system (CNS) depression. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC HEALTH HAZARDS: May cause skin sensitization.

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, carbon dioxide, foam, and water fog.

Unsuitable extinguishing media: Water jets or streams.

Hazardous Combustion Products

Oxides of carbon.

Protective equipment and precautions for firefighters

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. Shut off all sources of ignition. Use water spray to disperse vapor and cool fire exposed containers. Prevent run off from entering streams, sewers, or drinking water supply. Extremely Flammable. Contents under pressure. Exposure to temperatures above 122 °F (50 °C) may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition. Vapors may form explosive mixtures with air. Vapors are heavier than air and can accumulate in low areas. Vapors may travel considerable distance to a source of ignition and flash back.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal precautions**

Refer to section VIII for proper Personal Protective Equipment.

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

Eliminate all sources of ignition. Prevent spill from entering sewers, storm drains and natural waterways. Absorb with noncombustible material like vermiculite, sand or earth. Place waste in proper containers for waste disposal. Small releases may be wiped up with wiping material.

7. HANDLING AND STORAGE**Precautions for safe handling****Advice on safe handling**

Do not use or store near heat, open flames or other sources of ignition. Wear proper personal protective equipment when using this product. Avoid contact with skin, eyes and clothing. Do not inhale mist or vapor. 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. Do not use or store with strong oxidizers. Wash contaminated clothing and shoes thoroughly before reuse. Wash hands thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage conditions Store in a well ventilated area.

Other precautions 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.

Incompatibility Strong oxidizing agents and reducing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Acetone	1000 ppm	250 ppm
Propane	1000 ppm	1000 ppm
Fragrance	Not Established	Not Established

Appropriate engineering controls

Engineering Controls Use only in well-ventilated areas.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses/goggles.

Skin and body protection Chemical-resistant gloves.

Respiratory protection Not required with adequate ventilation.

General Hygiene Avoid contact with skin, eyes or clothing. Avoid breathing spray. If clothing becomes contaminated, immediately remove and wash. Contaminated work clothing must not be allowed out of the workplace. Wash hands thoroughly after handling. No smoking or open flames.

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

Physical State Liquefied gas
Appearance Clear, colorless to slight tint spray
Color Clear, colorless
Odor Orange
Odor Threshold N/D

Property**Values**

pH N/A
Melting Point/Freezing Point N/D
Initial Boiling Point and Boiling Range > 130 °F (54.4 °C)
Flash Point < 100 °F (37.8 °C)
Evaporation Rate > 3 Fast
Flammability (solid/gas) Extremely flammable aerosol
Upper/Lower Flammability or Explosive Limits
Lower Flammability Limit N/D

<u>Property</u>	<u>Values</u>
Explosive Limit Upper (%)	N/D
Vapor Pressure (mm Hg)	< 180 @ 70 °F (21.1 °C)
Vapor Density (AIR=1)	< 2 @ 70 °F (21.1 °C)
Relative Density (H2O=1)	0.785 – 0.805 @ 77 °F (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

Stable.

Possibility Of Hazardous Reactions

None known.

Conditions To Avoid

Temperatures greater than 122 °F (50 °C) and sources of ignition. Avoid incompatible materials.

Incompatible Materials

Strong oxidizing agents and reducing agents.

Hazardous Decomposition Products

Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure Eyes, Inhalation, Skin

Product Information

Skin Contact	May cause irritation, redness, dryness. May cause an allergic skin reaction.
Eye Contact	Causes irritation, redness, tearing, pain.
Inhalation	May cause respiratory tract irritation, dizziness, headaches, nausea, unconsciousness, central nervous system (CNS) depression.
Ingestion	Not a likely route of exposure under normal product handling conditions. May cause gastrointestinal irritation, nausea, diarrhea, vomiting.

Toxicological Information

Acetone (67-64-1)	LD50 (Oral, Rat) 5800 mg/kg; LD50 (Oral, Mouse) 3000 mg/kg; LD50 (Oral, Rabbit) 5340 mg/kg; LC50 (Inhalation, Rat, 8h) 50100 mg/m3; LC50 (Inhalation, Mouse, 4h) 44,000 mg/m3.
Propane (74-98-6)	LC50 (Inhalation, Rat, 4h) 658 mg/L.

Information on toxicological effects**Symptoms**

MEDICAL CONDITION AGGRAVATED: Pre-existing conditions of the central nervous system (CNS). 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. May cause an allergic skin reaction. Causes eye irritation including redness, tearing, and pain. May cause respiratory irritation and central nervous system (CNS) depression. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC HEALTH HAZARDS: May cause skin sensitization.

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

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Acetone (67-64-1): LC50 (Oncorhynchus mykiss, 96h) 5540 mg/L; EC50 (Daphnia magna, 48h) 6100 mg/L; EC50 (Selenastrum quadricauda, 8d) 7500 mg/L; EC50 (Psuedomonas putida, 16h) 1700 mg/L.

Persistence and Degradability

This product is biodegradable.

Bioaccumulation

Components in this mixture can bioaccumulate in aquatic organisms.

Soil Mobility

This product is mobile in soil.

Other Adverse Effects

None known.

13. DISPOSAL CONSIDERATIONS**Waste treatment methods****Disposal of Wastes**

Dispose of in accordance with local, state and federal regulations. Do not reuse, puncture or incinerate container. Offer for recycling or wrap container and place in trash collection.

RCRA Status

Waste likely considered D001 (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.	UN1950
Proper Shipping Name	Aerosols, Ltd. Qty.
Hazard Class	2.1
Packing Group	N/A

AIR SHIPMENT

UN/ID No. UN1950
Proper Shipping Name Aerosols, flammable.
Hazard Class 2.1
Packing Group N/A

SHIPPING BY WATER**VESSEL (IMO/IMDG)**

UN/ID No. UN1950
Proper Shipping Name Aerosols, Ltd. Qty.
Hazard Class 2.1
Packing Group N/A
Environmental Hazards Water 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 311/312 Hazard Categories**

Flammable (gases, aerosols, liquids, solids). Gas under pressure. Serious eye damage or eye irritation. Respiratory or skin sensitization. Specific target organ toxicity (single or repeated exposure).

SARA 313 Reportable Ingredients

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

Clean Water Act

Acetone (67-64-1) is a hazardous substance.

CERCLA

Acetone (67-64-1) Reportable Quantity = 5,000 pounds.

US State Regulations**California Proposition 65**

This product does not contain chemicals regulated by California Proposition 65.

Acetone (67-64-1): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, DE, ID, ME, MA, MN, NJ, PA, RI, WA.

International Regulations

No information available.

Volatile Organic Compounds (VOC)

23.5%

16. OTHER INFORMATION

NFPA	Health hazards	1	Flammability	3	Reactivity	0	Other	None
HMIS	Health hazards	1	Flammability	3	Reactivity	0	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