

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Rust Away

Other means of identification

Product Code 5107

Recommended use of the chemical and restrictions on use

Recommended use Rust Converter
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 1
Gases Under Pressure	Liquefied Gas
Eye Irritant	Category 2A
Specific Target Organ Toxicity (Single Exposure)	Category 3
Specific Target Organ Toxicity (Repeated Exposure)	Category 2

Label elements

Emergency Overview

DANGER

Hazard statements

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.



Appearance: Clear to Hazy Brown Spray

Physical state: Liquefied Gas

Odor: Acetone Odor



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. Store in a well-ventilated place. 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. Do not breathe mist, vapors or spray. 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.

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
Acetone	67-64-1	30-40%	*
N-Butane	106-97-8	20-30%	*
Isopropyl alcohol	67-63-0	10-20%	*
Propane	74-98-6	5-15%	*
2-Butoxyethanol	111-76-2	5-15%	*
Diethylene glycol	111-46-6	1-5%	*

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

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

Wash skin thoroughly with soap and water. Remove contaminated clothing and shoes, launder before reuse. If irritation persists seek medical attention.

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. Seek medical attention if irritation persists.

Ingestion

Rinse mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Never give anything by mouth to an unconscious person.

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

ACUTE HEALTH HAZARDS: Causes eye irritation including redness, tearing, and pain. Prolonged contact with skin may cause irritation. May cause respiratory irritation and central nervous system (CNS) depression. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC HEALTH HAZARDS: Respiratory disease and dermal related medical conditions. Kidney and liver damage possible.

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

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

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

Dry chemical, carbon dioxide, foam, and water spray or fog.

Unsuitable extinguishing media: Water spray/stream.

Unusual fire and explosion hazards

Contents under pressure. Exposure to temperatures above 120 °f may cause bursting. Vapors may form explosive mixtures with air. Vapors heavier than air will settle in low lying areas and may travel to source of ignition and flash back. Keep away from heat, sparks, open flames and other sources of ignition.

Hazardous combustion products

Oxides of carbon, nitrogen.

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. Use water spray only to cool exposed containers.

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. Material is heavier than air and can settle in low lying areas in flammable concentrations. 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 contents in accordance with federal, state and local regulations. Do not dump in sewers

RCRA status

Waste likely considered D001 (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**

Keep away from heat, open flames, or other sources of ignition. Avoid contact with skin, eyes and clothing. Wear appropriate protective equipment. Do not inhale mist or vapor. 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. Do not use or store with strong oxidizers. Protect from sunlight. Store in a well ventilated place. 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, strong oxidizing agents, chemically active metals, such as aluminum, barium, lithium, sodium, magnesium, potassium, titanium, beryllium, concentrated nitric acid some plastics, rubbers, and coatings.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

CHEMICAL NAME	OSHA PEL	ACGIH TLV
Acetone	1000 ppm	250 ppm
N-Butane	Not Established	1000 ppm
Isopropyl alcohol	400 ppm	200 ppm
Propane	1000 ppm	1000 ppm
2-Butoxyethanol	50 ppm	20 ppm
Diethylene glycol	Not Established	Not Established

Appropriate engineering controls

Engineering Controls Use only outdoors or in a well-ventilated area.

Individual protection measures, such as personal protective equipment

Eye/face protection	Safety glasses
Skin and body protection	Chemical resistant gloves
Respiratory protection	Not required with normal use. Wear NIOSH/MSHA approved respiratory protection if exposure limits are exceeded.

General Hygiene Avoid contact with skin or eyes and avoid breathing vapors. Wash hands after use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquefied Gas
Appearance	Clear to Hazy Brown Spray
Color	Clear to Hazy Brown
Odor	Acetone Odor
Odor Threshold	N/D

<u>Property</u>	<u>Values</u>
pH	N/D
Melting Point/Freezing Point	N/D
Initial Boiling Point And Boiling Range	N/D
Flash Point	N/D
Evaporation Rate	N/D
Flammability(Solid/Gas)	Extremely 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)	0.82 - 0.88 @ 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 and sources of ignition. A void use in confmed areas. Avoid incompatibles.

Incompatible Materials

Strong acids, strong alkalis, strong oxidizing agents, chemically active metals, such as aluminum, barium, lithium, sodium, magnesium, potassium, titanium, beryllium, concentrated nitric acid some plastics, rubbers, and coatings.

Hazardous Decomposition Products

Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

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

Product Information

Inhalation	May cause dizziness, nausea, central nervous system effects.
Eye Contact	Redness, irritation, causes temporary corneal opacity.
Skin Contact	May cause irritation, redness, and dermatitis.
Ingestion	May cause gastrointestinal irritation, nausea, vomiting, dizziness.

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Acetone	(Oral, Rat) 5800 mg/kg	(Dermal, Rabbit) 5000 mg/kg	(Inhalation, Rat, 4hr) 20 mg/L
N-Butane			(Inhalation, Rat, 4h) 30957 mg/m ³
Isopropyl alcohol	(Oral, Rat) 5045 mg/kg	(Dermal, Rabbit) 12870mg/kg	(Inhalation, Rat, 4h) 78.6 mg/L
Propane			(Inhalation, Rat, 4h) 658 mg/L
2-Butoxyethanol	(Oral, Rat) 320 mg/kg	(Dermal, Rabbit) 440 mg/kg	(Inhalation, Mice, 4h) 700 ppm
Diethylene glycol	(Oral, Rat) 25,300 mg/kg (Oral, Human) 1,000 mg/kg	(Dermal, Rabbit) 12,500 mg/kg	(Inhalation, Rat)> 1,172 ppm

Information on toxicological effects

Symptoms

MEDICAL CONDITION AGGRAVATED: Pre-existing skin and respiratory disorders.

ACUTE HEALTH HAZARDS: Causes eye irritation including redness, tearing, and pain. Prolonged contact with skin may cause irritation. May cause respiratory irritation and central nervous system (CNS) depression. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC HEAL TH HAZARDS: Respiratory disease and dermal related medical conditions. Kidney and liver damage possible.

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

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 (Pseudomonas putida, 16h) 1700 mg/L. **Isopropyl alcohol (67-63-0):** LC50 (Fish, 96h): > 100 mg/L; LC50 (Fathead minnow, 96h) 9640 mg/L; EC50 (Daphnia, 24h) 5102 mg/L. **Diethylene glycol (111-46-5):** LC50 (Bluegill sunfish) > 1000 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 contents in accordance with federal, state and local regulations. Do not dump in sewers.

RCRA status Waste likely considered DOOi (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

None

SARA 311/312 Hazard Categories

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

CERCLA

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

CWA (Clean Water Act)

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

US State Regulations

California Proposition 65: This product contains no known chemicals regulated by California Proposition 65.

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	RI	WA	CT	FL	IL	TN
Acetone (67-64-1)	X	X	X	X	X	X	X	X	X	X				
Isopropyl alcohol (67-63-0)						X	X	X	X		X	X	X	X
2-Butoxyethanol (111-76-2)								X	X					
Diethylene glycol (111-46-6)								X	X					

International Regulations

No information available.

Volatile Organic Compounds (VOC)

51%

16. OTHER INFORMATION

NFPA	Health hazards	1	Flammability	3	Reactivity	0	Other	None
HMIS	Health hazards	1	Flammability	3	Reactivity	0	Personal protection	B

Issue Date 07/05/2013
 Revision Date 09/10/2021
 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