

SAFETY DATA SHEET

CI RustGuard

Rust Converter Aerosol · Product Code: CI-5960

For Industrial & Institutional Use Only

■ DANGER

Hazard Statements: Extremely flammable aerosol (H222). Contains gas under pressure — may explode if heated (H280). Causes skin irritation (H315). May cause drowsiness or dizziness (H336). May cause damage to organs through prolonged or repeated exposure (H373).

Section 1. Product and Company Identification

Product Name: CI RustGuard
Product Code: CI-5960
Recommended Use: Rust converter aerosol
Restrictions on Use: None known.

Supplier	Emergency Contact
Chem International 10770 180 St NW Edmonton, AB T5S 2S4 Tel: 1-800-665-7287 cheminternational.com	24-Hour Emergency: 1-800-255-3924

Section 2. Hazards Identification

GHS Classification	Category / H-Code
Flammable Aerosol	Category 1 — H222
Gases Under Pressure	Liquefied Gas — H280
Eye Irritant	Category 2A — H319
Specific Target Organ Toxicity (Single Exposure)	Category 3 — H336 (drowsiness/dizziness)
Specific Target Organ Toxicity (Repeated Exposure)	Category 2 — H373 (organ damage via prolonged/repeated exposure)

Signal Word: DANGER

Appearance: Clear to hazy brown spray	Physical State: Aerosol	Odour: Acetone/solvent
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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. Do not breathe mist, vapors, or spray. Use only outdoors or in a well-ventilated area. Wear eye protection and chemical-resistant gloves. Wash hands thoroughly after handling.
Response:	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing. If eye irritation persists, get medical advice or attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison centre or doctor if unwell. If on skin: Wash thoroughly with soap and water. Remove contaminated clothing and laundry before reuse. If irritation persists, seek medical attention. If ingested: Rinse mouth with water. Do not induce vomiting unless directed by medical authority. If vomiting occurs, keep head low to prevent stomach contents from entering the lungs. Seek medical attention. Never give anything by mouth to an unconscious person.
Storage:	Keep away from heat, open flames, and sources of ignition. Store in a cool, dry, well-ventilated area. Do not use or store with strong oxidizers. Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
Disposal:	Dispose of contents and container in accordance with local, provincial/state, and federal regulations.
Other Hazards:	N/A. Hazards not otherwise classified: none identified.

Section 3. Composition / Information on Ingredients

Hazardous Ingredient	CAS No.	% (w/w)
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%

Section 4. First Aid Measures

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.
Skin Contact:	Wash skin thoroughly with soap and water. Remove contaminated clothing and shoes; launder before reuse. If irritation persists, seek medical 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 stomach contents do not enter the lungs. Never give anything by mouth to an unconscious person.

Route	Acute Health Effects
Eyes	Redness, irritation, tearing, pain, temporary corneal opacity.
Skin	Irritation, redness, dermatitis with prolonged contact.
Inhalation	Dizziness, nausea, CNS effects, respiratory tract irritation.

Ingestion	GI irritation, nausea, vomiting, diarrhea, dizziness.
Chronic Health Effects:	Respiratory disease and dermal conditions. Kidney and liver damage possible. May cause CNS depression with repeated or prolonged exposure.
Medical Conditions Aggravated:	Pre-existing skin and respiratory disorders.
Notes to Physician:	Treatment of overexposure should be directed toward the control of symptoms and the clinical condition.

Section 5. Fire-Fighting Measures

Suitable Extinguishing Media:	Dry chemical, carbon dioxide, foam, water spray or fog.
Unsuitable Extinguishing Media:	Water spray/stream (direct jet).
Fire / Explosion Hazards:	Contents under pressure. Exposure to temperatures above 50°C / 122°F may cause bursting. Vapours may form explosive mixtures with air. Vapours are 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 all other sources of ignition.
Hazardous Combustion Products:	Oxides of carbon and nitrogen.
Firefighting Instructions:	Wear NIOSH-approved SCBA with full face-piece in positive-pressure demand mode with full body protective clothing. Use water spray only to cool exposed containers.

Section 6. Accidental Release Measures

Personal Precautions:	Eliminate all sources of ignition. Refer to Section 8 for required PPE. Material is heavier than air and can settle in low-lying areas in flammable concentrations.
Spill Procedure:	Absorb with a rag or non-combustible material such as vermiculite, sand, or earth. Place waste in proper containers for disposal. Prevent spill from entering sewers, storm drains, and natural waterways.
Environmental Precautions:	Prevent spill from entering sewers, storm drains, and natural waterways. US CERCLA regulations require reporting spills to soil, water, and air in excess of reportable quantities. US Coast Guard National Response Center: (800) 424-8802.
Waste Disposal:	Dispose of contents in accordance with federal, provincial/state, and local regulations. Do not dump in sewers.
RCRA Status:	Waste likely considered D001 (Ignitable) under RCRA; product should be fully characterized prior to disposal (40 CFR 261).

Section 7. Handling and Storage

Safe Handling:	Keep away from heat, open flames, and sources of ignition. Avoid contact with skin, eyes, and clothing. Wear appropriate PPE. Do not inhale mist or vapour. Do not use or store with strong oxidizers. Pressurized container: do not pierce or burn, even after use. Keep out of reach of children. Read and follow all label directions.
Storage Conditions:	Store in a cool, dry, well-ventilated area. Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.
Incompatible Materials:	Strong acids, strong alkalis, strong oxidizing agents, chemically active metals (aluminum, barium, lithium, sodium, magnesium, potassium, titanium, beryllium), concentrated nitric acid, some plastics, rubbers, and coatings.

Section 8. Exposure Controls / Personal Protection

8.1 Occupational Exposure Limits

Ingredient	CAS No.	OSHA PEL	ACGIH TLV
Acetone	67-64-1	1,000 ppm	250 ppm
N-Butane	106-97-8	Not established	1,000 ppm
Isopropyl Alcohol	67-63-0	400 ppm	200 ppm
Propane	74-98-6	1,000 ppm	1,000 ppm
2-Butoxyethanol	111-76-2	50 ppm	20 ppm
Diethylene Glycol	111-46-6	Not established	Not established

8.2 Exposure Controls

Control / PPE Type	Requirement
Engineering Controls:	Use only outdoors or in a well-ventilated area.
Eye / Face Protection:	Safety glasses or chemical goggles required.
Hand Protection:	Chemical-resistant gloves.
Respiratory Protection:	Not required with normal use. Wear NIOSH/MSHA-approved respiratory protection if exposure limits are exceeded.
Hygiene:	Avoid contact with skin and eyes. Avoid breathing vapors. Wash hands thoroughly after handling.

Section 9. Physical and Chemical Properties

Physical State:	Aerosol	Vapour Pressure:	Not determined
Appearance:	Clear to hazy brown spray	Vapour Density:	Not determined
Odour:	Acetone / solvent odour	Relative Density:	0.82–0.88 @ 25°C (77°F)
Odour Threshold:	Not determined	Solubility:	Not determined
pH:	Not determined	Partition Coefficient:	Not determined
Melting / Freezing Point:	Not determined	Auto-ignition Temp.:	Not determined
Boiling Point:	Not determined	Decomposition Temp.:	Not determined
Flash Point:	Not determined (extremely flammable aerosol)	Viscosity:	Not determined
Evaporation Rate:	Not determined	VOC Content:	51%
Flammability:	Extremely flammable aerosol		
Explosive Limits:	Not determined		

Section 10. Stability and Reactivity

Reactivity: None known under normal conditions.

Chemical Stability:	Stable.
Hazardous Reactions:	None known.
Conditions to Avoid:	Temperatures exceeding 50°C / 122°F and sources of ignition. Avoid use in confined areas. Avoid incompatible materials.
Incompatible Materials:	Strong acids, strong alkalis, strong oxidizing agents, chemically active metals (aluminum, barium, lithium, sodium, magnesium, potassium, titanium, beryllium), concentrated nitric acid, some plastics, rubbers, and coatings.
Hazardous Decomposition:	Oxides of carbon.

Section 11. Toxicological Information

Routes of Entry: Eyes, ingestion, inhalation, skin.

Acetone — CAS 67-64-1	
LD50 Oral (rat)	5,800 mg/kg
LD50 Dermal (rabbit)	5,000 mg/kg
LC50 Inhalation (rat, 4h)	20 mg/L
N-Butane — CAS 106-97-8	
LC50 Inhalation (rat, 4h)	30,957 mg/m ³
Isopropyl Alcohol — CAS 67-63-0	
LD50 Oral (rat)	5,045 mg/kg
LD50 Dermal (rabbit)	12,870 mg/kg
LC50 Inhalation (rat, 4h)	78.6 mg/L
Propane — CAS 74-98-6	
LC50 Inhalation (rat, 4h)	658 mg/L
2-Butoxyethanol — CAS 111-76-2	
LD50 Oral (rat)	320 mg/kg
LD50 Dermal (rabbit)	440 mg/kg
LC50 Inhalation (mice, 4h)	700 ppm
Diethylene Glycol — CAS 111-46-6	
LD50 Oral (rat)	25,300 mg/kg
LD50 Oral (human)	1,000 mg/kg
LD50 Dermal (rabbit)	12,500 mg/kg
LC50 Inhalation (rat)	>1,172 ppm
Endpoint	Classification / Result
Skin Corrosion / Irritation	Causes skin irritation (H315)
Serious Eye Damage / Irritation	Category 2A — causes eye irritation (H319)
Respiratory / Skin Sensitization	Not classified
Germ Cell Mutagenicity	Not classified

Carcinogenicity	Not classified — OSHA: No; ACGIH: No; NTP: No; IARC: No
Reproductive Toxicity	Not classified
STOT — Single Exposure	Category 3 — drowsiness, dizziness (H336)
STOT — Repeated Exposure	Category 2 — may cause organ damage via prolonged/repeated exposure (H373)
Aspiration Hazard	Not classified

Section 12. Ecological Information

Acetone — CAS 67-64-1

LC50 (Oncorhynchus mykiss, 96h)	5,540 mg/L
EC50 (Daphnia magna, 48h)	6,100 mg/L
EC50 (Selenastrum quadricauda, 8d)	7,500 mg/L
EC50 (Pseudomonas putida, 16h)	1,700 mg/L

Isopropyl Alcohol — CAS 67-63-0

LC50 (Fish, 96h)	>100 mg/L
LC50 (Fathead minnow, 96h)	9,640 mg/L
EC50 (Daphnia, 24h)	5,102 mg/L

Diethylene Glycol — CAS 111-46-6

LC50 (Bluegill sunfish)	>1,000 mg/L
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Ecological Endpoint	Result
Persistence / Degradability	One or more components of this product are not biodegradable.
Bioaccumulative Potential	Not expected to bioaccumulate.
Mobility in Soil	This product is mobile in soil.
Other Adverse Effects	None known.

Section 13. Disposal Considerations

Dispose of contents in accordance with federal, provincial/state, and local regulations. Do not dump in sewers. **RCRA Status:** Waste likely considered D001 (Ignitable) under RCRA; product should be fully characterized prior to disposal (40 CFR 261).

Section 14. Transport Information

Regulation	Proper Shipping Name	UN No.	Class / Div.	Pkg Group
DOT (Ground)	Aerosols, Ltd. Qty.	UN1950	2.1	N/A
IATA (Air)	Aerosols, flammable	UN1950	2.1	N/A
IMDG (Sea)	Aerosols	UN1950	2.1	N/A

TDG (Canada)	Aerosols, flammable	UN1950	2.1	N/A
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Environmental Hazards (Water): N/A

Section 15. Regulatory Information

US Federal Regulations

Regulation	Status / Details
TSCA	All chemicals listed or exempt.
CERCLA (40 CFR 302)	Acetone (67-64-1) — Reportable Quantity: 5,000 lbs.
SARA 311/312 Hazard Categories	Flammable (aerosol); Gas under pressure; Serious eye damage/irritation; Specific target organ toxicity (single and repeated exposure).
SARA 313	None — no chemical components subject to SARA Title III, Section 313 reporting requirements.
Clean Water Act	Acetone (67-64-1) is a hazardous substance.

State Regulations

Component	Listed States
Acetone (67-64-1)	CA, DE, ID, ME, MA, MN, NJ, PA, RI, WA
Isopropyl Alcohol (67-63-0)	CT, FL, IL, MN, NJ, PA, RI, TN
2-Butoxyethanol (111-76-2)	PA, RI
Diethylene Glycol (111-46-6)	PA, RI

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

VOC Content: 51%

Section 16. Other Information

Issue Date: July 5, 2013
Last Revision Date: September 10, 2021
CI Revision Date: April 16, 2026
Version: 3
Revision Notes: Supplier updated to Chem International. Formatting revised to CI standard.

NFPA Ratings	HMIS® Ratings
Health: 1 Fire: 3 Reactivity: 0 Special: None	Health: 1 Flammability: 3 Physical Hazards: 0 PPE: B

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