

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	OZENE
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	1639
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Precision Cleaner
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	1639.08
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2024-01-11
		REPLACES VERSION DATED:	2023-02-23 and all prior versions

SECTION 2: HAZARDS IDENTIFICATION

Classification	Gases under pressure: Compressed Gas	
	Acute Toxicity, Oral	Category 4
	Skin Irritant	Category 2
	Eye Irritant	Category 2A
	Specific Target Organ Toxicity (Single Exposure)	Category 3
	Aspiration Hazard	Category 1

Label elements



Signal word	Danger
Hazard statement:	DANGER: Contains gas under pressure; may explode if heated. Harmful if swallowed. Causes skin and serious eye irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. This product contains the following percentage of chemicals of unknown toxicity: 0%
Precautionary statement	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 bum, 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. Do not eat, drink or smoke when using this product. Wear protective gloves and eye protection. If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. Rinse mouth. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. 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. 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. Dispose of contents and container in accordance with local, state and federal regulations.
Hazard(s) not otherwise classified (HNOC)	N/A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Trans-1,2-dichloroethylene	156-60-5	70-80
1,1,2,2-Tetrafluoroethyl-2,2,2-trifluoroethylether	406-78-0	12-25
Carbon dioxide	124-38-9	1-5

SECTION 4: FIRST AID MEASURES

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.
Skin contact	Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. 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.

Ingestion	Rinse mouth out with water. Do not induce vomiting unless directed by medical authority. Keep head below hips if vomiting occurs. Seek immediate medical attention. Aspiration hazard. Never give anything by mouth to an unconscious person.
Acute Health Hazards	Causes skin irritation including redness, burning and drying/cracking. 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. Aspiration may cause pulmonary edema and pneumonitis.
Chronic Health Hazards	May cause eye, respiratory and central nervous system (CNS) effects. Dermatitis may occur due to long-term irritation.
Note To Physician	There is no specific treatment regimen. Treatment of overexposure should be directed toward the control of symptoms and the clinical condition of the patient. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry chemical, carbon dioxide, foam or water spray.
Unsuitable extinguishing media	Water jets or stream.
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 breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.
Unusual Fire And Explosion Hazards	Contents under pressure. Exposure to temperatures above 50°C/122°F 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.
Hazardous Combustion Products	Oxides of carbon, hydrogen chloride, phosgene. Halogenated compounds. Smoke, toxic fumes and toxic gases.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal protective equipment	Refer to section 8 for proper Personal Protective Equipment.
Spill	Eliminate all sources of ignition. Wear appropriate person protective equipment. Absorb with non-combustible material like vermiculite, sand or earth. Place waste in proper containers for waste disposal. Small releases may be wiped up with wiping material.
Waste Disposal	Dispose of in accordance with federal, state, and local 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 (40CFR 261).

SECTION 7: HANDLING AND STORAGE

Precautions for 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. Do not use or store with strong oxidizers. Store in a cool, dry, ventilated 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. Store locked up. Wash hands thoroughly after handling.
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, strong reducing agents, acids. Alkaline materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Components</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Trans-1,2-dichloroethylene (CAS 156-60-5)	200 ppm	200 ppm
1,1,2,2-Tetrafluoroethyl-2,2,2-trifluoroethylether (CAS 406-78-0)	Not Established	50 ppm
Carbon dioxide (CAS 124-38-9)	5000 ppm	5000 ppm

Engineering Controls/Ventilation	Use only outdoors or in a well-ventilated area. Material may concentrate in low lying areas.
Respiratory Protection	Use only in well-ventilated areas. If exposure levels are exceeded, then organic vapor cartridge respirator or SCBA will be needed.
Personal Protective Equipment	Safety glasses/goggles and chemical resistant gloves.
Additional Measures	Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Do not breathe vapors. Do not eat, drink, or smoke while using product. Get medical attention if you feel unwell. No smoking or open flames.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, Colorless Spray
Odor	Chlorinated solvent
Odor Threshold	N/D
Boiling Point	N/D
Freezing Point	N/D
Flammability	Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200)
Flash point	N/D
Autoignition Temperature	N/D
Upper/lower flammability limits	Lower: N/D Upper: N/D
Vapor Pressure (mm Hg)	N/D
Vapor density (Air=1)	N/D
Evaporation Rate	N/D
Relative Density (H2O=1)	1.20 – 1.40 @ 25°C (77°F)
pH	N/A
Solids (%)	N/D
Solubility	N/D
Partition Coefficient n-Octanol/Water (Kow)	N/D
Dielectric Strength (Volts)	N/D
Decomposition Temperature	N/D
Viscosity	N/D

SECTION 10: STABILITY AND REACTIVITY

Reactivity	None known.
Chemical Stability	Stable.
Possible Hazardous Reactions	None Known.
Conditions To Avoid	Temperatures greater than 122°F/50° and sources of ignition. Avoid incompatible materials.
Incompatibility	Strong oxidizing agents, strong reducing agents, acids. Alkaline materials
Hazardous Decomposition Or By-Product	Oxides of Carbon, Hydrogen Chloride Gas, and Phosgene Gas.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information	trans-1,2-Dichloroethylene (156-60-5): LD ₅₀ (Oral, Rat) 1235 mg/kg; LD ₅₀ (Dermal, Rabbit) >5000 mg/kg; LC ₅₀ (Inhalation, Rat, 4h) 24100 ppm. Carbon dioxide (124-38-9): LC ₅₀ (Inhalation, Rat, 30m) 470,000 ppm.
Routes of Entry	Eyes, Inhalation, Skin
Ingestion	Not a likely route of exposure under normal product handling conditions. May cause gastrointestinal irritation, nausea, diarrhea, vomiting. Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia or edema.
Inhalation	Causes respiratory tract irritation, dizziness, drowsiness.
Skin contact	May cause irritation, localized defatting, dermatitis with prolonged or repeated contact.

Eye contact	Causes irritation, redness, tearing, pain.
Medical Condition Aggravated	Pre-existing disorders of the eyes, skin and central nervous system (CNS).
Acute Health Hazards	Causes skin irritation including redness, burning and drying/cracking. 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. Aspiration may cause pulmonary edema and pneumonitis.
Chronic Health Hazards	May cause eye, respiratory and central nervous system (CNS) effects. Dermatitis may occur due to long-term irritation.
Carcinogenicity	OSHA: No ACGffi: No NTP: No IARC: No OTHER: N/A

SECTION 12: ECOLOGICAL INFORMATION

Ecological Information	trans-1,2-Dichloroethylene (156-60-5): EC ₅₀ (Daphnia magna, 48h) 220- 290 mg/L: NOEC (Daphnia magna, 48h) < 100 mg/L.
Persistence & Degradability	Not readily biodegradable.
Bioaccumulation	This product is not expected to bioaccumulate.
Mobility In Soil	N/D
Other Ecological Hazards	None known

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal	Dispose of in accordance with federal, state, and local 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).

SECTION 14: TRANSPORT INFORMATION

DOT	
UN number	UN1950
UN proper shipping	Aerosols, Ltd. Qty.
Hazard/class division	2.2
Packing group	N/A

SECTION 15: REGULATORY INFORMATION

TSCA Status	All chemicals are listed or exempt.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT)	1,2-Dichloroethylene (156-60-5) Reportable Quantity 1000 pounds.
Sara 311/312 Hazard Categories	Gas under pressure. Acute toxicity (any route of exposure). Skin corrosion or irritation. Serious eye damage or eye irritation. Specific target organ toxicity (single or repeated exposure). Aspiration hazard.
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	trans-1,2-Dichloroethylene (156-60-5) is a priority pollutant and a toxic pollutant.
State Regulations	California Proposition 65: This product does not contain chemicals regulated by California Proposition 65. trans-1,2-Dichloroethylene (156-60-5): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: MA, PA.

SECTION 16: OTHER INFORMATION

Important Note: *To be the best of our knowledge, the information contained herein is accurate. However there is no assumption of liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer/supplier, the manufacturer/supplier will not be responsible for loss, injury, or expense arising out of the products improper use. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.*

End of SDS