

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

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| 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: | 1639.07 |
| EMERGENCY PHONE: | CHEMTREC 1-800-424-9300 | SDS DATE: | 2023-02-23 |
| | | REPLACES VERSION DATED: | 2017-08-10 <i>and all prior versions</i> |

SECTION 2: HAZARDS IDENTIFICATION

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| Classification | Gases under pressure: Liquefied Gas | |
| | Skin Irritant | Category 2 |
| | Eye Irritant | Category 2A |
| | Specific Target Organ Toxicity (Single Exposure) | Category 3 |
| | Aspiration Hazard | Category 1 |
| | Reproductive Toxicity | Category 2 |
| | Specific Target Organ Toxicity (Repeated Exposure) | Category 2 |

Label elements



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| Signal word | Danger |
| Hazard statement: | DANGER: Contains gas under pressure; may explode if heated. Causes skin and serious eye irritation. Suspected of damaging fertility or the unborn child. May cause respiratory irritation, drowsiness or dizziness. May cause damage to the central and peripheral nervous systems, brain, lungs kidneys and reproductive system through prolonged or repeated exposure. May be fatal if swallowed and enters airways. This product contains the following percentage of chemicals of unknown toxicity: N/A |
| Precautionary statement | Keep away from heat, sparks, open flames and hot surfaces. -No smoking. 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. Wear protective gloves, protective clothing and eye protection. 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: 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. If swallowed: immediately call a poison center or doctor. Do NOT induce vomiting. 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> |
|--|-------------------|----------|
| 1,1,1,2-Tetrafluoroethane | 811-97-2 | 30-40 |
| Trans-1,2-dichloroethylene | 156-60-5 | 30-40 |
| 1,1,2,2-Tetrafluoroethyl-2,2,2-trifluoroethylether | 406-78-0 | 20-30 |
| Hexane | 110-54-3 | 1-5 |
| Ethyl Alcohol | 64-17-5 | 1-5 |

SECTION 4: FIRST AID MEASURES

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| 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 persists. |
| 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. |
| 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. May be harmful if absorbed through skin. Causes eye irritation including redness, tearing, and pain. Inhalation of vapors or mists may cause irritation of respiratory system. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema. |
| Chronic Health Hazards | Skin disorders, drying and irritation of the skin. May cause damage to the following organs: kidneys, liver, respiratory, reproductive and central nervous systems. Excessive exposure may result in peripheral neuropathies due to hexane. Symptoms would be sensory numbness and possible motor weakness in extremities. |
| Note To Physician | Treatment of overexposure should be directed at the control of symptoms and the clinical condition. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately. |

SECTION 5: FIRE-FIGHTING MEASURES

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| Suitable extinguishing media | Dry chemical, carbon dioxide, foam and water spray or fog. |
| 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. Use water spray only to cool exposed containers. |
| Unusual Fire And Explosion Hazards | Contents under pressure. Exposure to temperatures above 120°F may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition. |
| Hazardous Combustion Products | Oxides of carbon, hydrogen chloride, phosgene. Halogenated compounds. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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| Personal protective equipment | Refer to section 8 for proper Personal Protective Equipment. |
| Spill | Absorb with non-combustible material like vermiculite, sand or earth. Place waste in proper containers for waste disposal. |
| Waste Disposal | 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 hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261). |

SECTION 7: HANDLING AND STORAGE

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| Precautions for safe handling | Do not use or store near heat, open flames or other sources of ignition. 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 area. 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. Store locked up. Wash hands thoroughly after handling. |
| Other Precautions | Keep out of the reach of children. Aspiration hazard if swallowed. Can enter lungs and cause damage. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not taste or swallow. 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 alkalis and bases, oxidizing agents. |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

| <u>Components</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> |
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| Trans-1,2-dichloroethylene (CAS 156-60-5) | 200 ppm | 200 ppm |
| 1,1,1,2-Tetrafluoroethyl-2,2,2-trifluoroethylether (CAS-406-78-0) | Not Established | Not Established |
| 1,1,1,2-Tetrafluoroethane (CAS 811-97-2) | Not Established | Not Established |
| Ethyl Alcohol (CAS 64-17-5) | 1000 ppm | 1000 ppm |
| Hexane (CAS 110-54-3) | 500 ppm | 50 ppm |
| Engineering Controls/Ventilation | Use only outdoors or in a well-ventilated area. | |
| Respiratory Protection | Wear NIOSH/MSHA approved organic vapor respiratory protection if listed exposure limits (section 8) are exceeded. | |
| Personal Protective Equipment | Safety glasses and chemical resistant gloves. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective clothing to prevent repeated or prolonged contact with product. | |
| Additional Measures | Avoid contact with skin or eyes and avoid breathing vapors. Wash hands after use. If clothing becomes contaminated, immediately remove and wash. | |

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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| Appearance | Clear, Colorless Spray | |
| Odor | 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 | >3 Fast | |
| Relative Density (H2O=1) | 1.20 – 1.40 @ 25°C (77°F) | |
| pH | N/A | |
| Solids (%) | N/D | |
| Solubility in Water | Non-soluble | |
| Partition Coefficient n-Octanol/Water (Kow) | N/D | |
| Dielectric Strength (Volts) | N/D | |
| Decomposition Temperature | N/D | |
| VOC | 36.9% | |
| Viscosity | N/D | |

SECTION 10: STABILITY AND REACTIVITY

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| Reactivity | None known. |
| Chemical Stability | Stable. |
| Possible Hazardous Reactions | None Known. |
| Conditions To Avoid | Temperatures greater than 122 °F and sources of ignition. Avoid incompatible materials. |

Incompatibility Strong alkalis and bases, oxidizing agents.

Hazardous Decomposition Or By-Product Oxides of Carbon and Hydrogen Halides

SECTION 11: TOXICOLOGICAL INFORMATION

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| Toxicological Information | 1,1,1,2-Tetrafluoroethane (811-97-2) LC ₅₀ (Inhalation, Rat, 4h) > 2000 mg/L; LC ₅₀ (Inhalation, Rat, 4h) > 359300 ppm. 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. n-Hexane (110-54-3): LD ₅₀ (Oral, Rat) > 5000 mg/kg; LD ₅₀ (Dermal, Rabbit) > 2000 mg/kg; LC ₅₀ (Inhalation, Rat, 4h) > 20 mg/L. Ethyl alcohol (64-17-5): LC ₅₀ (Inhalation, Rat, 4h) 133.6 mg/L; LD ₅₀ (Oral, Rat) > 8311 mg/kg; LD ₅₀ (Dermal, Rabbit) 16972.5 mg/kg. |
| Routes of Entry | Eyes, Ingestion, Inhalation, Skin |
| Ingestion | Not a likely route of exposure under normal product handling conditions. Causes gastrointestinal irritation, nausea, diarrhea. Absorption through gastrointestinal tract may produce symptoms of central nervous system depression ranging from light headedness to unconsciousness. Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia or edema. |
| Inhalation | Causes dizziness, headaches, nausea, central nervous system depression, excessive or prolonged exposure may cause unconsciousness. |
| Skin contact | Causes irritation, redness, burning. Prolonged contact may cause defatting of the skin and dermatitis. May be harmful if absorbed through the skin. |
| Eye contact | Causes irritation, redness, tearing. |
| Medical Condition Aggravated | Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure. |
| Acute Health Hazards | Causes skin irritation including redness, burning and drying/cracking. May be harmful if absorbed through skin. Causes eye irritation including redness, tearing, and pain. Inhalation of vapors or mists may cause irritation of respiratory system. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema. |
| Chronic Health Hazards | Skin disorders, drying and irritation of the skin. May cause damage to the following organs: kidneys, liver, respiratory, reproductive, and central nervous systems. Excessive exposure may result in peripheral neuropathies due to hexane. Symptoms would be sensory numbness and possible motor weakness in extremities. |
| Carcinogenicity | OSHA: No ACGHI: No NTP: No IARC: No OTHER: Ethyl alcohol possesses properties that indicate a carcinogenicity hazard for human health, but these are manifested only at doses associated with consumption of alcoholic beverages. |

SECTION 12: ECOLOGICAL INFORMATION

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| Ecological Information | Avoid release to the environment 1,1,1,2-Tetrafluoroethane (811-97-2): LC ₅₀ (Fish, 96h) 450 mg/L; EC ₅₀ (Daphnia, 48h) 980 mg/L. trans-1,2-Dichloroethylene (156-60-5): EC ₅₀ (Daphnia magna, 48h) 220- 290 mg/L; NOEC (Daphnia magna, 48h) < 100 mg/L. Ethyl alcohol (64-17-5): LC ₅₀ (Fish, 96h) 12,900- 15,300 mg/L; LC ₅₀ (Bacteria, 24h) 11,200 mg/L; EC ₅₀ (Bacteria, 5 - 30m) 34,900 mg/L. |
| Persistence & Degradability | Component or components of this product are not biodegradable. |
| Bioaccumulation | Components in this mixture can bioaccumulate in aquatic organisms |
| Mobility In Soil | N/D |
| Other Ecological Hazards | None known |

SECTION 13: DISPOSAL CONSIDERATIONS

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| Waste Disposal | Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture or incinerate container. Wrap container and place in trash collection. |
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RCRA Status Waste likely considered hazardous under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 14: TRANSPORT INFORMATION

DOT

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

SECTION 15: REGULATORY INFORMATION

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| TSCA Status | All chemicals are listed or exempt. |
| CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT) | 1,2-Dichloroethylene (156-60-5) Reportable Quantity1000 pounds. n-Hexane (110-54-3) Reportable Quantity5,000 pounds. |
| Sara 311/312 Hazard Categories | Gas under pressure. Skin corrosion or irritation. Serious eye damage or eye irritation. Reproductive toxicity. Specific target organ toxicity (single or repeated exposure). Aspiration hazard. |
| Sara 313 Reportable Ingredients | n-Hexane CAS# 110-54-3 |
| State Regulations | California Proposition 65: WARNING: This product can expose you to chemicals including n-Hexane, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov . 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. Hexane (110-54-3): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, MA, NJ, NY, NC, PA, RI, WI. Ethyl alcohol (64-17-5): Included on State Hazardous Substances Inventories, Right-to-Know lists and/or Air Quality or Air Pollutants lists for the following states: CA, ID, MA, MN, NJ, PA, RI, WA. |

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