

SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

COMPANY NAME: AMERICAN INDUSTRIES, INC.
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TELEPHONE NUMBERS: 800-753-5153 (or) 910-738-7224
EMERGENCY PHONE: CHEMTREC 1-800-424-9300

PRODUCT NAME: PROBE
PRODUCT CODE: 1612
PRODUCT USE: Super Penetrant
SDS FILE ID: 1612.14
SDS DATE: 2026-04-22
REPLACES VERSION DATED: 2021-04-30-and all prior versions

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

- Aerosols: Category 3
- Eye Irritant: Category 2A
- Skin Irritant: Category 2
- Skin Sensitization: Category 1
- Specific Target Organ Toxicity (Single Exposure): Category 3
- Carcinogenicity: Category 2
- Acute Toxicity, Inhalation: Category 4

RESTRICTIONS ON USE: After December 8, 2026 this chemical substance (as defined in TSCA section 3(2))/product cannot be distributed in commerce to retailers for any use. After March 8, 2027, this chemical substance (as defined in TSCA section 3(2))/product is and can only be distributed in commerce or processed with a concentration of PCE equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant/intermediate; (2) Processing into formulation, mixture or reaction product; (3) Processing by repackaging; (4) Recycling; (5) Industrial and commercial use as solvent in open-top batch vapor degreasing; (6) Industrial and commercial use as solvent in closed-loop batch vapor degreasing; (7) Industrial and commercial use in maskant for chemical milling; (8) Industrial and commercial use as a processing aid in catalyst regeneration in petrochemical manufacturing; (9) Industrial and commercial use as a processing aid in sectors other than petrochemical manufacturing; (10) Industrial and commercial use as solvent for cold cleaning of tanker vessels; (11) Industrial and commercial use as energized electrical cleaner; (12) Industrial and commercial use in laboratory chemicals; (13) Industrial and commercial use in solvent-based adhesives and sealants; (14) Industrial and commercial use in dry cleaning in 3rd generation machines until December 20, 2027; (15) Industrial and commercial use in all dry cleaning and related spot cleaning until December 19, 2034; (16) Export; and (17) Disposal.

Label elements



Hazard statements WARNING: Pressurized container: may burst if heated. Causes skin and serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer. May cause an allergic skin reaction. Harmful if inhaled.

Precautionary statements: This product contains the following percentage of chemicals of unknown toxicity: 0%
Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use only outdoors or in a well-ventilated area. Avoid breathing fumes, mist, vapors, and spray. Wear protective gloves, eye protection and protective clothing. Wash hands thoroughly after handling. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash before reuse. Contaminated work clothing must not be allowed out of the workplace. 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 attention. IF EXPOSED OR CONCERNED: Get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help. Store in a well-ventilated place. Dispose of contents and container in accordance with local, state, and national regulations.

Hazards not otherwise classified: N/A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Tetrachloroethylene	127-18-4	80-100
Carbon dioxide	124-38-9	3-7

Trade Secret Information: A specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

Eyes	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 out mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention. Never give anything by mouth to an unconscious person.
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 water and soap for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.
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.
Chronic health hazards	Possible cancer-causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood, reproductive or central nervous systems. May cause dizziness, headache, nausea, mental confusion, or visual disturbances.
Note to physician	Do not administer adrenaline or epinephrine to a victim of chlorinated solvent poisoning. This product contains ingredients that may be anticipated to be a carcinogen.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry chemical, carbon dioxide, water spray, alcohol-resistant foam.
Unsuitable extinguishing media	Water jets or streams which may spread flames.
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 122 °F (50 °C) may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition.
Hazardous combustion products	Oxides of carbon, chlorine, hydrogen chloride and phosgene.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal protective equipment	Refer to Section 8 for information on personal protection equipment.
Spill	Use absorbent on spill, sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.
Waste disposal	Dispose of in accordance with federal, state and local regulations. Do not dump in sewers. Wrap container and place in trash collection. Do not puncture, incinerate, or reuse container.
RCRA status	Waste solvent likely considered U210 (Tetrachloroethylene) under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 7: HANDLING AND STORAGE

Handling and Storage	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. Protect from sunlight. Store in a well ventilated area. Do not expose to temperatures exceeding 122°F (50°C). Do not pierce or burn, even after use. Store in a cool, dry area. Do not use or store near heat, open flames or other sources of ignition. Wash contaminated clothing and shoes thoroughly before reuse. 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. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warning and precautions listed for the product.

Incompatibility	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..
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Component</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Tetrachloroethylene	100 ppm	25 ppm
Carbon dioxide	5000 ppm	5000 ppm
Engineering controls/ventilation	Material is heavier than air. Material may concentrate in low lying areas. Normal, forced ventilation required to meet TLV requirements. Local exhaust ventilation is generally preferred.	
Respiratory protection	Avoid breathing vapor. If exposure levels are exceeded then organic vapor cartridge respirator or SCBA will be needed.	
Personal protective equipment	Safety glasses/goggles, chemical resistant gloves, and synthetic apron.	
Additional Measures	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. Contaminated work clothing must not be allowed out of the workplace. 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

Appearance	Clear, colorless to slight tint spray
Odor	Chlorinated solvent odor
Odor Threshold	N/D
pH	N/A
Melting Point/Freezing Point	N/D
Initial Boiling Point & Boiling Range	N/D
Flash point	N/D
Evaporation Rate	N/D
Flammability	Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29 CFR 1910.1200)
Upper/Lower Flammability or Explosive Limits	Lower/Upper Flammability: N/D Upper/Lower Explosive (%): N/D
Vapor Pressure (mm Hg)	N/D
Vapor Density (AIR=1)	N/D
Relative Density (H2O=1)	1.5 – 1.6 @ 77°F (25°C)
Solubility(ies)	Negligible
Partition Coefficient: n-octanol/water (KOW)	N/D
Auto-igniting	N/D
Decomposition temperature	N/D
Viscosity	N/D

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Chemically active metals and acids.
Chemical stability	Stable under normal conditions
Possible Hazardous Reactions	None Known
Conditions to avoid	Temperatures greater than 122°F (50°C) may cause bursting. Avoid incompatible materials.
Hazardous decomposition products	Oxides of carbon, chlorine, hydrogen chloride and phosgene.
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.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological effects	Tetrachloroethylene (Perchloroethylene) (127-18-4): LD50 (Oral, Rat) 2629 mg/kg; LC50 (Inhalation, Mouse, 8hr) 34200 mg/m3. Carbon dioxide (124-38-9): LC50 (Inhalation, Rat, 30m) 470,000 ppm.
Information on likely routes of exposure:	Eyes, Inhalation, Skin
Ingestion	Not a likely route of exposure under normal product handling conditions. Causes gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, abdominal cramps.
Inhalation	Causes respiratory tract irritation, dizziness, headache, nausea, depression of central nervous system (CNS). Prolonged exposure may cause unconsciousness, heart effects, liver effects, kidney effects and death.
Skin contact	Irritation likely, redness and pain. May cause localized defatting, blistering with prolonged skin contact. May be absorbed through the skin.
Eye contact	Causes irritation, redness, tearing, burning.
Medical condition aggravated	Excessive exposure will aggravate pre-existing disorders of eyes, skin, respiratory, liver, kidney, cardiovascular system, pulmonary illnesses, or 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.
Chronic health hazards	Possible cancer-causing agent and overexposure may also include damage to skin, kidneys, liver, lungs, blood, or central nervous systems. May cause dizziness, headache, nausea, mental confusion, or visual disturbances.
Carcinogenicity	OSHA: No Data Available ACGIH: A3 - Animal Carcinogen NTP: 2 - Anticipated IARC: 2A - Probable OTHER: CA Prop 65

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Toxic to aquatic life with long lasting effects. Tetrachloroethylene (Perchloroethylene) (127-18-4): LC50 (Pimephales promelas, 96h) 18.4 mg/L; LC50 (Oncorhynchus mykiss, 96hr) 5 mg/L; LC50 (Lepomis macrochirus, 96hr) 12.9 mg/L; LC50 (Cyprinodon variegatus, 96h) 29.4 - 52.2 mg/L; LC50 (Mysid shrimp, 96h) 10.2 mg/L; EC50 (Daphnia magna, 48h) 18 mg/L.
Biodegradability	Component or components of this product are not biodegradable.
Bioaccumulative potential	Components in this mixture can bioaccumulate in aquatic organisms.
Mobility in soil	This product is mobile in soil.
Other adverse effects	None Known

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal	Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.
RCRA status	Waste solvent likely considered U210 (Tetrachloroethylene) under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 14: TRANSPORT INFORMATION

DOT	UN number	UN 1950
	UN proper shipping name	Aerosols, Ltd. Qty.
	Transport hazard class(es)	2.2 (6.1)
	Packing group	N/A
AIR	UN number	UN 1950
	UN proper shipping name	Aerosols, non-flammable, containing substances in Division 6.1, Packing Group III.
	Transport hazard class(es)	2.2 (6.1)
	Packing group	N/A

Water

UN number	UN 1950
UN proper shipping name	Aerosols, toxic.
Transport hazard class(es)	2.2 (6.1)
Packing group	N/A
Environmental Hazards Water	Marine Pollutant

SECTION 15: REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Tetrachloroethylene (127-18-4) Reportable Quantity = 100 lbs

SARA 311/312 HAZARD CATEGORIES: Health Hazard and Physical Hazard

SARA 313 REPORTABLE INGREDIENTS: Tetrachloroethylene (127-18-4)

CLEAN WATER ACT: Tetrachloroethylene (Perchloroethylene) (127-18-4) is a priority pollutant and a toxic pollutant.

STATE REGULATIONS: California Proposition 65: WARNING: This product can expose you to chemicals including Tetrachloroethylene (Perchloroethylene), which is known to the state of California to cause cancer. For more information go to www.P65Warnings.ca.gov. Tetrachloroethylene (Perchloroethylene) (127-18-4): 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, IL, ME, MN, NJ, NY, PA, RI, WV, WI.

VOLATILE ORGANIC COMPOUNDS (VOC): 1%

Tetrachloroethylene (Perchloroethylene or PCE) containing products: After December 8, 2026 this chemical substance (as defined in TSCA section 3(2))/product cannot be distributed in commerce to retailers for any use. After March 8, 2027, this chemical substance (as defined in TSCA section 3(2))/product is and can only be distributed in commerce or processed with a concentration of PCE equal to or greater than 0.1% by weight for the following purposes: (1) Processing as a reactant/intermediate; (2) Processing into formulation, mixture or reaction product; (3) Processing by repackaging; (4) Recycling; (5) Industrial and commercial use as solvent in open-top batch vapor degreasing; (6) Industrial and commercial use as solvent in closed-loop batch vapor degreasing; (7) Industrial and commercial use in maskant for chemical milling; (8) Industrial and commercial use as a processing aid in catalyst regeneration in petrochemical manufacturing; (9) Industrial and commercial use as a processing aid in sectors other than petrochemical manufacturing; (10) Industrial and commercial use as solvent for cold cleaning of tanker vessels; (11) Industrial and commercial use as energized electrical cleaner; (12) Industrial and commercial use in laboratory chemicals; (13) Industrial and commercial use in solvent-based adhesives and sealants; (14) Industrial and commercial use in dry cleaning in 3rd generation machines until December 20, 2027; (15) Industrial and commercial use in all dry cleaning and related spot cleaning until December 19, 2034; (16) Export; and (17) Disposal.

NFPA HEALTH: 2

NFPA FLAMMABILITY: 1

NFPA REACTIVITY: 0

NFPA OTHER: None

HMIS HEALTH: *2

HMIS FLAMMABILITY: 1

HMIS REACTIVITY: 0

HMIS PROTECTION: C

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