

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	PROBE
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	1612
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Super Penetrant
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	1612.13
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2021-04-30
		REPLACES VERSION DATED:	2018-03-29- <i>and all prior versions</i>

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification	Dissolved Gas Skin Irritant: Category 2 Skin Sensitization: Category 1 Specific Target Organ Toxicity (Single Exposure): Category 3 Carcinogenicity: Category 2 Aspiration Hazard
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Label elements



Hazard statements	DANGER: Contains gas under pressure; may explode if heated. Causes skin irritation. May cause respiratory irritation, drowsiness or dizziness. Suspected of causing cancer. May be fatal if swallowed and enters airways. May cause an allergic skin reaction.
Precautionary statements:	This product contains the following percentage of chemicals of unknown toxicity: 0% 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 protective gloves/clothing and eye/face protection. 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. If exposed or concerned: Get medical attention. Avoid breathing fumes, mist, vapors, and 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 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	60-85
Mineral Seal Oil	64741-44-2	5-10
Carbon dioxide	124-38-9	1-5

SECTION 4: FIRST AID MEASURES

Eyes	Remove contact lenses. Flush with water for at least 15 minutes. See a physician if irritation persists.
Ingestion	Rinse out mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention.
Inhalation	Move to fresh air. If breathing is difficult, administer oxygen. 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	Eyes: redness, tearing blurred vision. Skin: defatting and dermatitis. Inhalation: Anesthetic, irritation, central nervous system depression. Oral: abdominal irritation, nausea, vomiting, and diarrhea. Aspiration risk.
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.
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, foam, or Carbon Dioxide (CO ₂).
Unsuitable extinguishing media	Water spray/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.
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

Precautions for safe handling	Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 122°F/50°C.
Other precautions	Keep out of the reach of children.
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.

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
Mineral Seal Oil	5 mg/m ³	200 mg/m ³
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	Wear NIOSH/MSHA approved organic vapor respiratory protection if used in confined, poorly ventilated areas.	
Personal protective equipment	Safety glasses, gloves, and synthetic apron.	
Additional Measures	Wash hands thoroughly after handling.	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, yellow aerosol spray
Odor	Chlorinated solvent odor
Odor Threshold	N/D
pH	N/A
Melting Point/Freezing Point	N/D
Initial Boiling Point & Boiling Range	>188°F (87°C)
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 (H ₂ O=1)	1.40 - 1.55 @ 77°F (25°C)
Solubility(ies)	0%
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 bases.
Chemical stability	Stable
Possible Hazardous Reactions	None Known
Conditions to avoid	Temperatures greater than 122°F (50°C) may cause bursting.
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 (127-18-4) LD50 (Oral, Rat) 2629 mg/kg; LC50 (Inhalation, Mouse, 8hr) 34200 mg/m ³ Mineral Seal Oil (64741-44-2) LD50 (Oral, Rat) 5000 mg/kg; LD50 (Dermal, Rabbit) 2000 mg/kg
Information on likely routes of exposure:	
Ingestion	Causes gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, abdominal cramps.
Inhalation	Irritation to respiratory tract, dizziness, headache, nausea, depression of central nervous system, 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 severe irritation, redness, tearing, pain, visual disturbance, may cause eye damage.
Medical condition aggravated	Excessive exposure will aggravate pre-existing disorders of eyes, skin, respiratory, liver, kidney, cardiovascular system, pulmonary illnesses, or central nervous system.
Acute health hazards	Eyes: redness, tearing, blurred vision. Skin: defatting and dermatitis. Inhalation: Anesthetic, irritation, Central Nervous System depression. Oral: abdominal irritation, nausea, vomiting and diarrhea. Aspiration risk.

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: Yes ACGIH: A2-Suspected NTP: 2-Anticipated IARD: 2A-Probable Other: CA Prop 65

SECTION 12: ECOLOGICAL INFORMATION

Ecological information	Not established.
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 ecological hazards	This material is toxic to aquatic life.

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

PROPER SHIPPING NAME: Aerosols, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.2 (6.1)

UN/NA NUMBER: UN 1950

PACKING GROUP: N/A

AIR SHIPMENT

PROPER SHIPPING NAME: Aerosols, Non-Flammable, Toxic, Containing Substances in Division 6.1 Packaging Group III

HAZARD CLASS/DIVISION: 2.2 (6.1)

UN/NA NUMBER: UN 1950

PACKING GROUP: N/A

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Aerosols, Toxic

HAZARD CLASS/DIVISION: 2.2 (6.1)

UN/NA NUMBER: UN 1950

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: Acute Health, Chronic Health.

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

STATE REGULATIONS: This product can expose you to chemicals including Tetrachloroethylene which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

VOLATILE ORGANIC COMPOUNDS (VOC): 0%

NFPA HEALTH: 2 **HMIS HEALTH:** 2

NFPA FLAMMABILITY: 1 **HMIS FLAMMABILITY:** 1

NFPA REACTIVITY: 0 **HMIS REACTIVITY:** 0

NFPA OTHER: None **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