

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:	1612.11
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2015-04-06
		REPLACES VERSION DATED:	2009-05-06- <i>and all prior versions</i>

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification
Health

H351 Suspected of Causing Cancer

There are no other hazards not otherwise classified that have been identified. 0 percent of the mixture consists of ingredient(s) of unknown toxicity.

Physical

H280 Contains gas under pressure; may explode if heated.

Label elements



Signal word

WARNING

Hazard statements

H280 Contains gas under pressure; may explode if heated.
H351 Suspected of causing cancer.

Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood..
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.
P410 + P403 Protect from sunlight. Store in a well-ventilated place.
P501 Dispose of contents/container in accordance with Local/regional/national/international regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Tetrachloroethylene	127-18-4	60-80
Distillates (Petroleum), hydrotreated light	64742-47-8	5-10
Carbon dioxide	124-38-9	1-5

For the listed ingredients, the identity and exact percentages are being withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

Inhalation

Supply fresh air. Seek immediate medical advice. Seek medical treatment in case of complaints.

Skin contact

Immediately wash with water and soap and rinse thoroughly. If skin irritation is experienced, consult a doctor.

Eye contact

Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Ingestion	Unlikely route of exposure. Rinse out mouth and then drink plenty of water. Do not induce vomiting; immediately call for medical help.
Most important symptom/effects, acute and delayed	Dizziness, coughing, breathing difficulty. Slight irritant effect on skin and mucous membranes. Nausea, gastric or intestinal disorders when ingested, disorientation. Danger: May cause neurotoxic effects. Suspected of causing cancer. Danger of impaired breathing. Danger of circulatory collapse. Danger of convulsion. Condition may deteriorate with alcohol consumption. Possible risk of irreversible effects.
Indication of immediate medical attention and special treatment needed	Medical supervision for at least 48 hours. If necessary oxygen respiration treatment.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use fire fighting measures that suit the environment.
Unsuitable extinguishing media	Water stream.
Specific hazards arising from the chemical	Danger of receptacles bursting because of high vapor pressure if heated. During heating or in case of fire poisonous gases are produced.
Special protective equipment and precautions for firefighters	Wear self-contained respiratory protective device. Wear fully protective suit.
Additional information	Cool endangered receptacles with water fog.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Wear protective clothing. For large spills, use respiratory protective device against the effects of fumes/dust/aerosol. See Section 8 for information on personal protection equipment.
Methods and materials for containment and cleaning up	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13. Do not flush with water or aqueous cleansing agents. Send for recovery or disposal in suitable receptacles. See Section 7 for information on safe handling. See Section 13 for disposal information.
Environmental precautions	Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Use only in well ventilated areas. Avoid splashes or spray in enclosed areas. Take note of emission threshold.
Protection against explosions and fires	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 120 °F (49 °C) i.e. electric lights. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep respiratory protective device available. During heating or in case of fire poisonous gases are produced
Conditions for safe storage, including any incompatibilities	Observe official regulations on storing packaging with pressurized containers. Provide ventilation for receptacles. Store away from foodstuffs. Protect from heat and direct sunlight. Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Component</u>	<u>PEL</u>	<u>TLV</u>
Tetrachloroethylene (127-18-4)	Long term value: 100 ppm Ceiling limit value: 200; 300* ppm *5-min peak in any 3 hrs	Short-term value: 685 mg/m ³ , 100 ppm Long-term value: 170 mg/m ³ , 25 ppm BEI

Carbon dioxide (124-38-9) Long-term value: 9000 mg/m³, 5000 ppm Short-term value: 54.000 mg/m³, 30.000 ppm
Long-term value: 9000 mg/m³, 5000 ppm

Biological limit values BEI
Tetrachloroethylene (127-18-4) 3 ppm
Medium: end exhaled air
Time: prior to shift
Parameter: Tetrachloroethylene
0.5 mg/L
Medium: Blood
Time: prior to shift
Parameter: Tetrachloroethylene

Additional Information: The lists that were valid during the creation were used as basis.

Appropriate engineering controls: No further relevant information available.

Individual protection measures, such as personal protective equipment:

Eye/face protection Wear safety glasses.

Hand protection The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Fluorocarbon rubber (Viton)

Other Protective work clothing.

Respiratory protection Suitable respiratory protective device recommended. Use suitable respiratory protective device when high concentrations are present. Use suitable respiratory protective device in case of insufficient ventilation. NIOSH or EN approved organic vapor respirator equipped with a dust/mist prefilter should be used.

General hygiene considerations: The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Avoid breathing mist, vapors, or spray.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Color Light yellow
Form Aerosol
Odor Faint, characteristic

Flash point Not applicable as aerosol.
Melting point/boiling point Not applicable, as aerosol.
Auto-igniting Product is not self-igniting.
pH Not determined.
Solubility in/ Miscibility with water Not miscible or difficult to mix.
Vapor density Not determined.
Vapor pressure Not determined.
Viscosity Not determined.
Other information No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

Chemical stability Danger of receptacles bursting because of high vapor pressure if heated. No decomposition if used and stored according to specifications.
Possibility of hazardous reactions Toxic fumes may be released if heated above the decomposition point. Reacts with certain metals. Reacts with strong acids and oxidizing agents. Reacts with alkali (lyes).
Conditions to avoid No further relevant information available.
Hazardous decomposition products Carbon monoxide and carbon dioxide, phosgene, chlorine compounds.

Incompatible materials No further relevant information available.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological effects	<u>Tetrachloroethylene</u> (127-18-4) LD ₅₀ (Oral, Rat) 2629 mg/kg; <u>Distillates (petroleum), hydrotreated light</u> (64742-47-8) LD ₅₀ (Oral, Rat) >5000 mg/kg (rat) LD ₅₀ (Dermal, Rabbit) >2000 mg/kg
Information on likely routes of exposure:	
Ingestion	May cause damage to organs through prolonged or repeated exposure.
Inhalation	There is a narcotic effect when inhaling high concentrations, with the danger of central respiratory arrest.
Skin contact	Slight irritant effect on skin and mucous membranes.
Eye contact	Slight irritant effect on eyes.
Symptoms related to the physical, chemical and toxicological characteristics	No sensitizing effects known. Danger through skin absorption.
Information on toxicological effects	
Probable Routes of Exposure	Inhalation, eye contact, skin contact.
Acute Effects	Vapors have narcotic effect. Inhalation may cause irritation to the respiratory system.
Repeated Dose Toxicity	May cause damage to organs through prolonged or repeated exposure. Limited evidence of a carcinogenic effect.
Carcinogenicity	OSHA-None NTP-127-18-4 Tetrachloroethylene

SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity	Toxic to aquatic organisms.
Persistence and degradability	Not easily biodegradable.
Bioaccumulative potential	May be accumulated in organism.
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT: Not applicable. VpVB: Not applicable.
Other adverse effects	No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal instructions	The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.
Local disposal regulations	Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Incinerate in accordance with local, state and federal regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste disposal key	EPA RCRA Code (USA): U210 Additional RCRA Code: D0039, F002.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

DOT

UN number UN1950
UN proper shipping name Aerosols, Non-Flammable
Transport hazard class(es) 2.2

This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

SECTION 15: REGULATORY INFORMATION

TSCA : All ingredients are listed.

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (Specific toxic chemical listings): 127-18-4 tetrachloroethylene

California Proposition 65: 127-18-4 tetrachloroethylene

Chemicals known to cause reproductive toxicity for males/females: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

Carcinogenic categories: EPA-127-18-4 tetrachloroethylene (L); IARC 127-18-4-tetrachloroethylene (2A); ACGIH 127-18-4 tetrachloroethylene (A3); NIOSH-CA 127-18-4 tetrachloroethylene

State Right to Know Listings: None of the ingredients is listed.

Other- This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. · **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: OTHER INFORMATION

Hazardous Materials Identification System (HMIS)

HMIS-RATING:	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	1

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