

SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	RAPID SOLV VC (A)
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	2459
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Dielectric Solvent Cleaner
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	2459.01
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2020-10-23
		REPLACES VERSION DATED:	N/A

SECTION 2: HAZARDS IDENTIFICATION

Classification: Dissolved Gas
Specific target organ toxicity (Single Exposure): Category 3
Skin irritant: Category 2
Eye irritant: Category 2A
Germ cell mutagenicity: Category 2
Carcinogenicity: Category 1B

Label Elements:



Signal word: Danger

Hazard statements: Contains gas under pressure; May explode if heated. Causes skin and serious eye irritation. May cause drowsiness and dizziness. May cause cancer. Suspected of causing genetic defects. This product contains the following percentage of chemicals of unknown toxicity: 0%

Precautionary statements: 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 50C/120F. Store in a well-ventilated place. Wash hands thoroughly after handling. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash 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 attention. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, eye protection, and protective clothing. If exposed or concerned: Get medical advice or attention. Store locked up. Dispose of contents and container in accordance with local, state, and national regulations. 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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Trichloroethylene	79-01-6	30-60
Tetrachloroethylene	127-18-4	30-60
Carbon Dioxide	124-38-9	3-7

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 mouth with water. Do not induce vomiting unless directed by medical authority. Seek medical attention.

Inhalation: If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell.

Skin Immediately wash with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation persists.

Acute Health Hazards Eye: stinging, tearing, redness
Oral: vomiting, nausea, irritation
Skin: prolonged or repeated contact may dry skin
Inhalation: dizziness, drowsiness, weakness, and fatigue

<i>Chronic Health Hazards</i>	Possible cancer-causing agent and overexposure may also include damage to kidneys, liver, dizziness, headache, nausea, mental confusion, visual disturbances, dermatitis, lungs, blood, or central nervous system.
<i>Note to Physician</i>	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

<i>Suitable extinguishing media</i>	Use appropriate media for surrounding fire
<i>Unsuitable extinguishing media</i>	N/A
<i>Fire-fighting Procedures</i>	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.
<i>Unusual Fire and Explosion Hazards</i>	Contents under pressure. Exposure to temperatures above 120°F may cause bursting.
<i>Hazardous Combustion Products</i>	Oxides of carbon, chlorine, hydrogen chloride and phosgene.

SECTION 6: ACCIDENTAL RELEASE MEASURES

<i>Personal Protective Equipment</i>	Refer to Section 8 for proper Personal Protective Equipment.
<i>Spill</i>	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.
<i>Waste Disposal</i>	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.
<i>RCRA Status</i>	Waste solvent likely considered U228 (Trichloroethylene), hazardous, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 7: HANDLING AND STORAGE

<i>Handling and Storage</i>	Store in a well-ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Protect from sunlight. Pressurized container: Do not pierce or burn, even after use. Store locked up.
<i>Other Precautions</i>	Containers of this material may be hazardous when empty since they retain product residues. Observe all warning and precautions listed for the product. Keep out of the reach of children
<i>Incompatibility</i>	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>HAZARDOUS INGREDIENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
	Trichloroethylene	10 ppm	25 ppm
	Tetrachloroethylene	25 ppm	100 ppm
	Carbon Dioxide	5000 ppm	5000 ppm
<i>Engineering Controls/Ventilation</i>	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.		
<i>Respiratory Protection</i>	Wear NIOSH/MSHA approved organic vapor respiratory protection if used in confined, poorly ventilated areas.		
<i>Personal Protective Equipment</i>	Safety glasses, gloves, synthetic apron.		
<i>Additional Measures</i>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.		

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, colorless spray
Odor	Chlorinated solvent odor
Odor Threshold	N/D
Boiling Point	>188°F (87°C)
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 Limit	N/D
Vapor pressure (mm Hg)	59
Vapor Density (AIR=1)	>2
Evaporation Rate	>3 (Fast)
Specific Gravity (H2O=1)	1.52
pH	N/A
Solids (%)	0%
Solubility in Water	0%
Partition coefficient:	N /D
Volatility including water (%)	100%
Volatile Organic Compounds (VOC)	50%
Dielectric Strength (Volts)	29,000
Decomposition Temperature	>400°C
Viscosity	N/D

SECTION 10: STABILITY AND REACTIVITY

<i>Reactivity</i>	Chemically active metals and acids
<i>Chemical Stability</i>	Stable
<i>Conditions to Avoid</i>	Temperatures greater than 122°F may cause bursting.
<i>Incompatibility</i>	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.
<i>Hazardous Decomposition or by-product</i>	Oxides of carbon, chlorine, hydrogen chloride and phosgene.
<i>Possible Hazardous Reactions</i>	None Known

SECTION 11: TOXICOLOGICAL INFORMATION

<i>Toxicological Information</i>	Trichloroethylene (79-01-6): LD ₅₀ (Oral, Rat) 5,650 mg/kg; Tumorigen, mutagenic reproductive effects in humans. Tetrachloroethylene (127-18-4): LD ₅₀ (Oral, Rat) 2629 mg/kg; LD ₅₀ (Dermal, Rabbit) > 3228 mg/kg; LD ₅₀ (IPR, Mouse) 4700 mg/kg; LC ₅₀ (Inhalation, Mouse, 4hr) 5200 ppm; LC ₅₀ (Inhalation, Rat, 8hr) 34200 mg/m ³
<i>Routes of Exposure</i>	Eyes, ingestion, inhalation, skin.
<i>Eyes</i>	Eyes, Ingestion, Inhalation, Skin
<i>Ingestion</i>	Causes gastrointestinal irritation, headaches, nausea, diarrhea, vomiting, abdominal cramps.
<i>Inhalation</i>	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.
<i>Skin</i>	Irritation likely, redness and pain. May cause localized defatting, blistering with prolonged skin contact. May be absorbed through the skin.
<i>Medical Condition Aggravated</i>	Excessive exposure will aggravate pre-existing disorders of eyes, skin, respiratory, liver, kidney, cardiovascular system, pulmonary illnesses, or central nervous system.

<i>Acute Health Hazards</i>	Inhalation: dizziness, drowsiness, weakness, and fatigue. Eye: stinging, tearing, redness. Oral: Vomiting, nausea, irritation. Skin: Prolonged or repeated contact may dry skin
<i>Chronic Health Hazards</i>	Possible cancer-causing agent and overexposure may also include damage to kidneys, liver, dizziness, headache, nausea, mental confusion, visual disturbances, dermatitis, lungs, blood, or central nervous system.
<i>Carcinogenicity</i>	OSHA: Ye ACGIH: A2 Suspected, NTP: 2 Anticipated, IARC: 2A Probable, OTHER: CA Prop 65

SECTION 12: ECOLOGICAL INFORMATION

<i>Ecological Information</i>	Trichloroethylene (79-01-6): LC50 (96hr) Fish: 10 and 100 mg/L. Slightly toxic to aquatic life.
<i>Bioaccumulation</i>	This product is not expected to bioaccumulate.
<i>Soil Mobility</i>	This product is mobile in soil.
<i>Other Ecological Hazards</i>	None Known

SECTION 13: DISPOSAL CONSIDERATIONS

<i>Disposal instructions</i>	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.
<i>RCRA Status</i>	Waste solvent likely considered U228 (Trichloroethylene), hazardous, under RCRA, however product should be fully characterized prior to disposal (40 CFR 261).

SECTION 14: TRANSPORT INFORMATION

PROPER SHIPPING NAME: Aerosols, poison, Packing Group III, Ltd. Qty.

HAZARD CLASS/DIVISION: 2.2 (6.1)

UN/NA NUMBER: UN 1950

PACKAGING GROUP: N/A

AIR SHIPMENT

PROPER SHIPPING NAME: Forbidden

HAZARD CLASS/DIVISION: 2.2 (6.1)

UN/NA NUMBER: UN 1950

SHIPPING BY WATER:

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Aerosols, Marine Pollutant

HAZARD CLASS/DIVISION: 2.2 (6.1)

UN/NA NUMBER: UN 1950

ENVIRONMENTAL HAZARDS WATER: Marine Pollutant

SECTION 15: REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Trichloroethylene (79-01-6) Reportable

Quantity = 100 lbs **Tetrachloroethylene** (127-18-4) Reportable Quantity = 100 lbs

SARA 311/312 HAZARD CATEGORIES: Acute Health, Chronic Health.

SARA 313 REPORTABLE INGREDIENTS: Trichloroethylene (79-01-6) **Tetrachloroethylene** (127-18-4)

STATE REGULATIONS: Trichloroethylene (79-01-6) is known to the state of California to cause cancer.

Trichloroethylene (79-01-6) Right-to-Know acts for New York, Rhode Island, Pennsylvania, Florida, Minnesota, Massachusetts, Michigan, New Jersey, Tennessee; Spill Reporting for Massachusetts, New Jersey, Louisiana; Connecticut hazardous material survey; Illinois toxic substances disclosure to employee act

INTERNATIONAL REGULATIONS: Trichloroethylene, CAS 79-01-6, - EC - yes, Japan – yes, Australia – yes, Korea – yes, Canada DSL – yes, Canada NDSL –no, Philipenes – yes. **Tetrachloroethylene** (127-18-4) WHMIS (Canada) Class D-1B: Material causing immediate and serious toxic effects (TOXIC). Class D-2A: Material causing other toxic effects (VERY TOXIC).

SECTION 16: OTHER INFORMATION

Glossary:

N/A=Not Applicable, N/D=Not Determined.

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; N.A. - Not Available; NFPA National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

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