

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	SOLV
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	2427
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Non-Flammable Dielectric Solvent Degreaser/Cleaner
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	2427.03
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2017-07-14
		REPLACES VERSION DATED:	2015-06-01 <i>and all prior versions</i>

SECTION 2: HAZARDS IDENTIFICATION

Classification: Dissolved Gas
Skin Irritant: Category 2
Eye Irritant: Category 2A
Reproductive Toxicity: Category 1B
Specific Target Organ Toxicity (Single Exposure): Category 2
Specific Target Organ Toxicity Single Exposure): Category 3, Respiratory system, Central nervous system

Label elements



Signal word: Danger

Hazard statement: Contains gas under pressure; May explode if heated. Causes skin irritation. Causes serious eye irritation. May damage fertility or the unborn child. May cause respiratory irritation, drowsiness, or dizziness. May cause damage to Central Nervous System, Reproductive System, Kidney, and Liver. This product contains the following percentage of chemicals of unknown toxicity: 0%

Precautionary statement: 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. Wash hands thoroughly after handling, take off contaminated clothing and wash it before reuse. Wear protective gloves. If on skin, wash with plenty of water. If skin irritation occurs, get medical advice/attention. 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 chemical resistant gloves and safety glasses. If exposed or concerned: Get medical advice/attention. Keep container tightly closed. Store locked up in a well-ventilated place. Dispose of contents and container in accordance with local/regional/national regulations. Do not breathe 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/doctor if you feel unwell.

Hazard(s) not otherwise classified (HNOC): N/A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
n-Propyl Bromide	106-94-5	60-100%
Carbon Dioxide	124-38-9	1-5%

SECTION 4: FIRST AID MEASURES

Eyes:	Immediately flush with water for 15 minutes while holding eyelids open. Seek medical attention if irritation persists.
Ingestion:	If swallowed: Rinse mouth. Do NOT induce vomiting. Get medical advice/attention.
Inhalation:	Move to fresh air. If not breathing, administer artificial respiration.
Skin:	If on skin: Wash with plenty of water. If skin irritation occurs: get medical attention.
Acute health hazards:	Headache, drowsiness, dizziness, nausea, vomiting or narcosis.
Chronic health hazards:	Repeated inhalation of high concentrations may cause lung, liver, kidney, urinary, blood, bone marrow, heart, eye, central nervous system, gastrointestinal, reproductive, developmental and fertility effects.
Note to physician:	There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media	Dry chemical, carbon dioxide, foam, and water spray or fog.
Unsuitable extinguishing media	N/A
Special firefighting procedures	Wear SCBA in fire situations.
Unusual fire and explosion hazards	Keep away from sparks, open flames, and hot surfaces. No smoking.
Hazardous combustion products	Oxides of carbon, hydrogen halides, bromides

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal protective equipment	Refer to Section 8 for proper Personal Protective Equipment.
Spill	Absorb spill with non-combustible material such as vermiculite, sand or earth.
Waste disposal	Dispose of in accordance with federal, state, and local regulations.
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

Handling and Storage	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use.
Other Precautions	Keep out of the reach of children.
Incompatibility	Strong alkalis, oxidizers, bases, reactive metals, and natural rubber

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Hazardous Component</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
n-Propyl Bromide	25 ppm	10 ppm
Carbon Dioxide	5000 ppm	5000 ppm
Engineering controls/Ventilation	Use only outdoors or in a well-ventilated area.	
Respiratory protection	Wear NIOSH/MSHA approved organic vapor respiratory protection if used in confined, poorly ventilated areas.	
Personal protective equipment	Safety glasses and chemical resistant gloves are recommended.	
Additional Measures	Wash hands thoroughly after handling.	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear colorless to yellow liquid
------------	----------------------------------

Odor	Strong solvent odor
Odor threshold	N/D
Boiling point	158°F (70°C)
Freezing Point	-166.8°F (-110.5°C)
Flammability	Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29CFR 1910.1200)
Flash point	N/D
Auto-ignition temperature	N/D
Upper/lower flammability limits	Lower: N/D Upper: N/D
Vapor Pressure (mmHg)	110.8 @ 77°F (25°C)
Vapor density (Air = 1)	> 1 @ 77°F (25°C)
Evaporation Rate	4.7 (Fast)
Specific Gravity (H2O=1)	1.3
pH	N/A
Solubility in Water	Non-soluble
Partition Coefficient: n-Octanol/water (K _{ow})	N/D
Volatile Organic Compounds VOC (%)	97%
Decomposition Temperature	N/D
Viscosity	N/D

SECTION 10: STABILITY AND REACTIVITY

Reactivity	None known
Chemical stability	Stable
Conditions to avoid	Excessive heat. Prolonged contact with free water will result in diminished stabilizer and corrosion.
Incompatibility	Strong alkalis, oxidizers, bases, reactive metals, and natural rubber
Hazardous decomposition or by-products	Oxides of carbon, hydrogen halides, bromides
Possible hazardous reactions	None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological information	n-Propyl Bromide (106-94-5) LD50 (oral, rat) 3600 mg/kg; LC50 (rat, 0.5hr) 253,000 mg/m3
Routes of Entry	Eyes, Ingestion, Inhalation, Skin.
Eyes:	Causes irritation.
Ingestion:	Nausea and gastric discomfort.
Inhalation:	Causes irritation to the respiratory tract, headache, dizziness, nausea, vomiting or narcosis. May cause liver damage.
Skin:	Causes mild irritation, dryness, localize defatting.
Medical condition aggravated	Pre-existing conditions of the skin, liver, CNS, and kidneys
Acute health hazards	Headache, drowsiness, dizziness, nausea, vomiting or narcosis
Chronic health hazards	Repeated inhalation of high concentrations may cause lung, liver, kidney, urinary, blood, bone marrow, heart, eye, central nervous system, gastrointestinal, reproductive, developmental and fertility effects.
Carcinogenicity	OSHA: No ACGIH: No NTP: No IARC: 2B - Possible OTHER: CA Prop 65

SECTION 12: ECOLOGICAL INFORMATION

Ecological information	n-Propyl Bromide (106-94-5) Not considered to be a bioaccumulator. LC50 (Fathead Minnow, 96hr) 67 mg/L; EC50 (Daphnia, 24hr) 208.9 mg/L
Biodegradability	Component or components of this product are not biodegradable.
Bioaccumulation	This product is not expected to bioaccumulate.
Mobility in soil	This product is mobile in soil.
Other ecological hazards	None known

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal	Dispose of in accordance with federal, state, and local regulations.
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	
Proper shipping name	Aerosols, Ltd. Qty.
Hazard class/division	2.2
UN/NA number	UN 1950
Packing group	N/A

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 Status: All chemicals are listed or exempt.

CERCLA (Comprehensive response compensation, and liability act): None.

SARA 311/312 Hazardous categories: Immediate

SARA 313 reportable ingredients: 1, 2-Butylene Oxide (106-88-7) < 0.6% by weight.

US State Regulations: n-Propyl Bromide (106-94-5) California Prop 65

1, 2-Butylene Oxide (106-88-7) RTK - NJ, PA, CA, FL, MN, MA

International Regulations: n-Propyl Bromide (106-94-5) Canada (DSL): Ingredients listed WHMIS: Class D Division 2B, WHMIS-HC-1

SECTION 16: OTHER INFORMATION

Hazardous Materials Identification System (HMIS)

HMIS-RATING:	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0

N/A = Not Applicable; N/D = Not Determined

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