SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

COMPANY NAME: AMERICAN INDUSTRIES, INC.
ADDRESS LINE 1: 4300 Kahn Drive, Box 1405
ADDRESS LINE 2: Lumberton, NC 28359-1405 USA
TELEPHONE NUMBERS: 800-753-5153 (or) 910-738-7224
EMERGENCY PHONE: CHEMTREC 1-800-424-9300

PRODUCT NAME: RAPID SOLV (A)
PRODUCT USE: Non-Flammable Dielectric
MSDS FILE ID: 2254.07
MSDS ISSUE DATE: 2015-01-02
REPLACES MSDS VERSION DATED: 2010-01-26 and all prior revisions

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS  CAS NUMBER  OSHA PEL  ACGIH TLV
*Tetrachloroethylene  127-18-4  100 ppm  25 ppm
*Dichloromethane  75-09-2  25 ppm  50 ppm
125 ppm (STEL 15 mins)
12.5 action level

Carbon Dioxide  124-38-9  5000 ppm  5000 ppm
3000 ppm STEL

*Indicates ingredients that are subject to the reporting requirements of Section 313 of EPCRA and 40 CFR 372. Component of a blended material regulated under section 313 of SARA.

SECTION 3: HAZARDS IDENTIFICATION

ROUTES OF ENTRY: Inhalation, eye and skin.

EYES: This product can cause eye irritation. Contact may cause tearing, redness, a stinging or burning feeling, swelling, and blurred vision.

INGESTION: May cause nausea or vomiting. Absorption through the gastrointestinal tract may produce central nervous system depression. May cause dizziness, drowsiness, intoxication, headache and nausea.

INHALATION: May cause upper respiratory tract irritation and central nervous system depression with symptoms such as dizziness, drowsiness, confusion, lightheadedness, nausea, vomiting, headache, and fatigue. Causes formation of carbon monoxide in blood which may affect the cardiovascular system and central nervous system. Continued exposure may cause unconsciousness.

SKIN: May cause effects ranging from mild irritation to severe pain and possibly burns, redness, possible blistering, depending on the intensity of contact. Skin absorption may occur.

CONDITIONS AGGRAVATED BY EXPOSURE: Repeated exposure to high levels produces adverse effects on the liver and kidneys; May cause cancer based on animal data.

LISTED CARCINOGENS: OSHA: Not Listed  IARC: Listed – 2A  NTP: Anticipated

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissues. Remove contact lenses, if present and easy to do. Get medical attention immediately.

INGESTION: Aspiration hazard. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

INHALATION: Move to fresh air. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. If respiration or pulse has stopped, have a trained person give artificial respiration. Contact a physician or poison control center immediately.

SKIN: Immediately flush contaminated areas with soap or mild detergent and water for at least 15 minutes. Remove contaminated clothing, jewelry, and shoes immediately. Get medical attention immediately.

NOTE TO PHYSICIAN: Risk of aspiration must be weighed against possible toxicity of the material when determining whether to induce vomiting or to perform gastric lavage. This material sensitizes the heart to the effects of sympathomimetic amines. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in individuals exposed to this material. This material is metabolized to carbon monoxide. Consequently, elevations in carboxyhemoglobin as high as 50% have been reported, and levels may continue to rise for several hours after exposure has ceased.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABILITY PER FLAME PROJECTION TEST: Non-Flammable.

EXTINGUISHER MEDIA: Foam, Dry chemical, CO2, Water Spray

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. In case of fire, keep containers cool with water spray. Keep personnel upwind of fire.

UNUSUAL HAZARDS: Contents under pressure. Vapors may form explosive mixtures with air. Do not handle or store near an open flame, heat or other sources of ignition. Do not puncture or incinerate container. Exposure to temperatures above 120°F (49°C) may cause container to burst.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PROCEDURES FOR CLEANING UP LEAKS AND SPILLS: Do not allow product to enter sewer or waterways. Prevent further leakage or spillage if safe to do so. Advise authorities if product has entered or may enter sewers, water sources or extensive land areas. Remove all sources of ignition. Ventilate
area. Wear suitable protective clothing, gloves and eye/face protection. Keep upwind of the spilled material and isolate exposure. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a partly filled, closed container until disposal. Dispose of spill material in accordance with local, state or federal regulations.

SECTION 7: HANDLING AND STORAGE
HANDLING: DANGER! VAPOR HARMFUL. EYE, SKIN AND RESPIRATORY IRRITANT. HARMFUL OR FATAL IF INHALED OR SWALLOWED. CONTENTS UNDER PRESSURE. Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Intentional misuse by deliberately concentrating and inhaling the contents of this product may be harmful or fatal. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapor or mist. Do not puncture container
STORAGE: Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F (49°C) as container may vent, rupture or burst. Do not puncture or incinerate container. Do not store in direct sunlight. Store in a cool, dry, well-ventilated area away from incompatible materials. Store in accordance with NFPA 30B for Level 3 Aerosols.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
See Section 2 for applicable exposure limits.
ENGINEERING CONTROLS: Maintain adequate ventilation.
PERSONAL PROTECTIVE EQUIPMENT: Use respirator only as a last resort to control exposure.
SKIN PROTECTION: Wear chemical resistant gloves if repeated skin contact occurs or causes irritation.
EYE/FACE PROTECTION: Wear safety glasses or goggles to prevent eye contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
APPEARANCE: Colorless, clear liquid.
ODOR: Solvent.
PHYSICAL STATE: Mixture packaged in pressurized aerosol spray can.
BOILING POINT: >100⁰F (38⁰C)
pH: N/A
EVAPORATION RATE (BuAc =1): >1.00
SOLUBILITY IN WATER: Insoluble
SPECIFIC GRAVITY (Concentrate): 1.40 – 1.47 g/ml
VOC CONTENT %: Exempt. Not for sale in California.

SECTION 10: STABILITY AND REACTIVITY
CHEMICAL STABILITY: Stable
CONDITIONS TO AVOID: Heat, sparks, open flames, temperatures above 120 ⁰F (49⁰C).
HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITIES: Strong oxidizing agents.
HAZARDOUS DECOMPOSITION OR BY-PRODUCT: CO, CO₂ hydrocarbons

SECTION 11: TOXICOLOGICAL INFORMATION
Dichloromethane:
IRRITATION DATA: 810 mg/24 hr(s) skin-rabbit severe; 100 mg/24 hr(s) skin-rabbit moderate; 162mg eyes-rabbit moderate; 10 mg eyes-rabbit mild; 500 mg/24 hr(s) eyes-rabbit mild
TOXICITY DATA: 52 mg/L/4 hr(s) inhalation-rat LC₅₀: 985-1600 mg/kg oral-rat LD₅₀
MUTAGENIC DATA: Positive results have been observed in the Ames test. In mammalian systems, responses have generally been negative.
IMMUNOTOXICITY: A study found there was no evidence of harm to the immune system of laboratory animals or reduced ability to combat disease.
NEUROTOXICITY: Tests in rats indicate no significant neurotoxic effects after exposure to concentrations up to 2,000 ppm for 90 days. No neurotoxic effects have been observed in humans at typical occupational exposure levels.
DEVELOPMENTAL/REPRODUCTIVE: No significant developmental effects were observed in female rats and mice exposed to 1,250 ppm during gestation. A similar result was observed in rats exposed to 4,500 ppm before and during gestation. A two-generation inhalation study showed no adverse reproductive effects in rats exposed to as much as 1,500 ppm for 14 weeks.
CARCINOGEN STATUS: Dichloromethane is carcinogenic in experimental animals at a relatively high dose, by route(s) of administration, at site(s), of histologic type(s), or by mechanism(s) that are not considered relevant to worker exposure. Available epidemiological studies do not confirm an increased risk of cancer in humans. Available evidence suggests that this material is not likely to cause cancer in humans except under uncommon or unlikely routes or levels of exposure.

Tetrachloroethylene
Oral rat LD₅₀: 2629 mg/kg; inhalation rat LC₅₀: 4100 ppm/6H; investigated as a tumorigen, mutagen,

SECTION 12: ECOLOGICAL INFORMATION
Dichloromethane:
ECOTOXICITY DATA:
FISH TOXICITY: 310 mg/L 96 hr(s) LC₅₀ (Static) Fathead minnow; 220 mg/L 96 hr(s) LC₅₀ (Static) Bluegill sunfish
INVERTEBRATE TOXICITY: 256 mg/L 96 hr(s) LC₅₀ Mysis Shrimp
FATE AND TRANSPORT:
BIODEGRADATION: Biodegradation may occur in groundwater, but will be very slow compared with evaporation.

PERSISTENCE: AIR: This material released to the atmosphere will degrade by reaction with hydroxyl radicals with a half-life of several months. It is not subject to direct photolysis. SOIL: On land is expected to evaporate rapidly into the atmosphere due to its high vapor pressure. It is poorly adsorbed to soil and can leach into the groundwater. Calculated Adsorption Coefficient (log KOC) is 1. WATER: This material is subject to rapid evaporation, with estimated evaporative half-lives ranging from 3 to 5.6 hours under moderate mixing condition. This material has a negligible rate of hydrolysis.

BIOCONCENTRATION: Bioconcentration

Tetrachloroethylene
Environmental Fate:
When released into the soil, this material is expected to quickly evaporate. When released into the soil, this material may leach into groundwater. When released into the soil, this material may biodegrade to a moderate extent. When released to water, this material is expected to quickly evaporate. When released into water, this material is not expected to biodegrade. This material is not expected to significantly bioaccumulate. When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals.

Environmental Toxicity:
The LC$_{50}$/96-hr values for fish are between 1 and 10mg/l. The LC$_{96}$/96-hour values for fish are between 10 and 100mg/l. This material is expected to be toxic to aquatic life.

SECTION 13: DISPOSAL CONSIDERATIONS
Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SPILL RESIDUES: Recovered liquids may be sent to an EPA permitted reclaimer or incineration facility. Contaminated material must be disposed of in a permitted waste management facility. Consult Federal, state, or local disposal authorities for approved procedures.

SECTION 14: TRANSPORT INFORMATION
US Department Of Transportation (DOT):
DOT Shipping Name: Aerosols, Limited Quantity
Hazard Class: Class 2.2(non-flammable gas)
UN/ID Number: UN 1950

INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG): UN1950, Aerosols, 2.2 LTD QTY

SECTION 15: REGULATORY INFORMATION
This product is considered to be hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Section 313 Information (40 CFR 372): This product contains chemicals which are listed in Section 313 at or above the de minimis concentrations.
Tetrachloroethylene
Dichloromethane

U. S. Toxic Substance Control Act (TSCA): All components of this product are listed on the U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

Proposition 65 – California Safe Drinking Water and Toxic Enforcement Act of 1986
WARNING: This product may contain a chemical(s) known to the State of California to cause cancer.

SECTION 16: OTHER INFORMATION
Hazardous Materials Identification System (HMIS)

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<tr>
<th>HMIS-RATING</th>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
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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 MSDS. The user is responsible for full compliance.

***End of MSDS***