SAFETY DATA SHEET

AMERICAN INDUSTRIES, INC.
WWW.AMERICANINDUSTRIES.COM

SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	**PRODUCT NAME:**	**Ai-30**
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	**PRODUCT CODE:**	2522
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	**PRODUCT USE:**	Dielectric Solvent Blend Degreaser/Cleaner
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	**SDS FILE ID:**	2522.02
EMERGENCY PHONE:	**CHEMTREC 1-800-424-9300**	**SDS DATE:**	2022-01-03

Replaces version dated: 2022-01-03 *and all previous versions*

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification:

Health	Skin irritation	Category 2
	Skin sensitivity	Category 2
	Aspiration hazard	Category 1
	STOT SE	Category 3
Environmental	Chronic Aquatic Toxicity	Category 2
Physical	Flammable Liquid	Category 4

Label elements:

Signal word: Danger

Hazard statements:
H227 Combustible liquid.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction
H336 May cause drowsiness or dizziness
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:
P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking
P261 - Avoid breathing dust, fume, gas, mist, spray, vapors
P264 - Wash Skin thoroughly after handling
P271 - Use only outdoors or in a well-ventilated area
P272 - Contaminated work clothing must not be allowed out of the workplace
P273 - Avoid release to the environment
P280 - Wear eye protection, face protection, protective clothing, protective gloves
P301+P310 - If swallowed: Immediately call a POISON CENTER or doctor/physician.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P312 - Call a POISON CENTER or doctor/physician if you feel unwell
P331 - Do NOT induce vomiting
P332+P313 - If skin irritation occurs: Get medical advice/attention
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
P363 - Wash contaminated clothing before reuse
P370+P378 - In case of fire: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish
P391 - Collect spillage
P403+P233 - Store in a well-ventilated place. Keep container tightly closed
P403+P235 - Store in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container in accordance with local, regional, national, and/or international regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS number	%
Parraffinic, Naphthenic Solvent	64742-47-8	80-90
d-limonene	94266-47-4	1-10

SECTION 4: FIRST AID MEASURES

General	Call a physician immediately.
Inhalation	If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms appear.
Skin contact	Remove contaminated clothing. Wash with soap and water. Cover the irritated skin with an emollient. Seek medical attention if irritation develops.
Eye contact	Flush eyes with plenty of water for at least 15 minutes. Seek medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention if symptoms appear.
Symptoms and effects, both acute and delayed	May cause drowsiness or dizziness. May cause an allergic skin reaction and/or irritation. Risk of lung edema if ingested.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Fire hazard	Combustible liquid. Containers can build up pressure if exposed to heat and/ or fire. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Vapors will form an explosive mixture with air. Vapors will travel to a source of ignition and flash back.
Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Firefighting protection	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Evacuate all non-essential personnel from the spill area. Eliminate all ignition sources. Small spills: absorb on inert media and collect into suitable container. Large spills : Dike spill area to contain liquid. Salvage as much re-useable liquid as possible into a suitable container. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to regulations.
Ventilate spillage area. NO open flames, NO sparks, and NO smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.
Do not attempt to take action without suitable protective equipment. For further information refer to section 8 Exposure controls/personal protection" ".
Avoid release to the environment.
For containment - Collect spillage.
Methods for cleaning up - Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information - Dispose of materials or solid residues at an authorized site.

SECTION 7: HANDLING AND STORAGE

Handling	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
Storage	This material is a static accumulator. Use non-sparking tools. Store in a cool, dry, well-ventilated place away from incompatible substances. Store only in approved properly labeled containers. Containers should be grounded and bonded. Keep cool. Store locked up. Keep container tightly closed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Use explosion-proof ventilation equipment. Provide ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. The level of protection and types of controls will vary depending upon potential exposure conditions.

Exposure limits	Paraffinic, Naphthenic Solvent	100 ppm ACGIH; 100 ppm OSHA
	d-limonene	50 ppm ACGIH; 50 ppm OSHA

Personal Protective Equipment:

Eye/face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.
Hand Protection	If prolonged or repeated skin contact is likely, wear appropriate protective gloves.
Skin Protection	Wear suitable protective clothing.
Clothing	Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items
Respirators	Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

Environmental exposure controls: Avoid release into the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color	Colorless to light yellow
Physical State	Liquid
Odor	Citrus Odor
Flash point	145°F (63°C)
Flammability limits	Upper 6
	Lower 1
Boiling point/boiling range	390-410°F (199-210°C)
Melting point/freezing point	No available data
Auto-ignition temperature	No available data
Vapor pressure	0.5 mm Hg
Vapor density (Air-1)	2.5
Specific gravity	0.81
Water solubility	Negligible
Volatile%	>95
pH	Not applicable
Evaporation rate (BuAc=1)	N/D

SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions.
Conditions to avoid	Avoid contact with hot surfaces. Heat. No flames, No sparks. Eliminate all sources of ignition.
Incompatible materials	Strong oxidizing agents.
Hazardous polymerization	No dangerous reactions known under normal conditions of use.
Reactivity	The product is non-reactive under normal conditions of use, storage and transport.

SECTION 11: TOXICOLOGICAL INFORMATION

Signs and symptoms of overexposure:

Acute toxicity: Not classified

d-Limonene (5989-27-5)

LD50 oral rat: 4400 mg/kg body weight (Rat; OECD 423: Acute Oral Toxicity – Acute Toxic Class Method; Literature study; > 2000 mg/kg bodyweight; Rat; Read-across)

LD50 dermal rabbit: > 5000 mg/kg body weight (Rabbit; Weight of evidence; Equivalent or similar to OECD 402)

ATE US (oral): 4400.000 mg/kg body weight

Paraffinic, Naphthenic Solvent (64742-47-8)

LD50 oral rat: > 3160 mg/kg

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Not classified

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

d-Limonene (5989-27-5)

IARC group: 3 - Not Classifiable

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: May be fatal if swallowed and enters airways.

Symptoms/injuries after skin contact: Irritation. May cause an allergic skin reaction.

Symptoms/injuries after ingestion: Risk of lung edema.

SECTION 12: ECOLOGICAL INFORMATION

General — Toxic to aquatic life with long lasting effects

d-Limonene (5989-27-5):

LC50 fish 1: 720 µg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)

EC50 Daphnia 1: 0.36 mg/l (EC50; OECD 202: Daphnia sp. Acute Immobilisation Test; 48 h; Daphnia magna; Static system; Fresh water; Experimental value)

Threshold limit algae 1: 150 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Desmodesmus subspicatus; Static system; Fresh water; Read-across)

Persistence and degradability:

d-Limonene (5989-27-5)

Persistence and degradability: Readily biodegradable in water. Forming sediments in water. Adsorbs into the soil.

ThOD: 3.29 g O_2/g substance

Bioaccumulative potential:

d-Limonene (5989-27-5)

BCF fish 1: 864.8 - 1022 (BCF; Pisces)

Log Pow: 4.38 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 37 °C)

Bioaccumulative potential: Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).

Mobility in soil:

d-Limonene (5989-27-5)

Log Koc: Koc,SRC PCKOCWIN v2.0; 1120 - 6324; QSAR

Other adverse effects:

Effect on the global warming: No known ecological damage caused by this product.

SECTION 13: DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification..

SECTION 14: TRANSPORT INFORMATION

DOT INFORMATION FOR QUANTITIES GREATER THAN 5 LITERS PER CONTAINER: NA1993 Combustible liquid, n.o.s. (Petroleum Distillates, D'limonene), 3, III

DOT INFORMATION FOR QUANTITIES LESS THAN 5 LITERS PER JUG: Combustible Liquid, n.o.s., Limited Quantity

Dangerous for the environment: Yes

Marine pollutant: Yes

DOT Packaging Non Bulk (49 CFR 173.xxx): 203
DOT Packaging Bulk (49 CFR 173.xxx): 241
DOT Symbols: D - Proper shipping name for domestic use only, or to and from Canada,G - Identifies PSN requiring a technical name
DOT Special Provisions (49 CFR 172.102): IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).

T1 - 1.5 178.274(d)(2) Normal..... 178.275(d)(2)
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

DOT Packaging Exceptions (49 CFR 173.xxx): 150
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27): 60 L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75): 220 L
DOT Vessel Stowage Location: A - The material may be stowed ''on deck'' or ''under deck'' on a cargo vessel and on a passenger vessel.
Other information: No supplementary information available.

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

SARA Section 311/312 Hazard Classes: Fire hazard
Immediate (acute) health hazard

d-Limonene (5989-27-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Paraffinic, Naphthenic Solvent (64742-47-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

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