

SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	Ai-77
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	2432
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Dielectric Solvent Degreaser/Cleaner
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	2432.01
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2015-01-02

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification:	Flammable liquids	Category 4
	Aspiration hazard	Category 1

Label elements:



Signal word: Danger

Hazard statements:
H227 Combustible liquid.
H304 May be fatal if swallowed and enters airways.

Precautionary statements:

Prevention	P210 Keep away from open flames/hot surfaces. No smoking. P280 Wear protective gloves/eye protection/face protection.
Response	P370 + P378 In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331 Do NOT induce vomiting.
Storage	P403 + P405 + P235 Store locked up in a well-ventilated place. Keep cool.
Disposal	P501 Dispose of contents/container to an approved waste disposal plant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Distillates, petroleum, hydrotreated light	64742-47-8	100

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

SECTION 4: FIRST AID MEASURES

Inhalation	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen. Call a physician immediately.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. When symptoms persist or in all cases of doubt seek medical advice. Wash contaminated clothing before re-use.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion	If swallowed, call a poison control center or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable Properties:

Fire/explosion	NFPA Class IIIA combustible liquid.
Suitable extinguishing media	Water spray or fog, foam, dry chemical, CO2
Protective equipment and precautions for firefighters	Wear self-contained breathing apparatus and protective suit.
Further information.	Keep containers and surroundings cool with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and cleaning up Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling Ensure all equipment is electrically grounded before beginning transfer operations.
 Storage/Transport temperature Ambient
 Storage/Transport Pressure Ambient
 Load/Unload Temperature Ambient

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Air contaminant levels should be controlled below the PEL or TLV for this product (see exposure guidelines).

Personal Protective Equipment:

Eye/face Protection Wear as appropriate: Goggles, Face-shield.
 Skin Protection Wear suitable protective clothing, gloves and eye/face protection.
 Inhalation Protection Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Use NIOSH approved respiratory protection.

Exposure guidelines: Contains no substances with occupational exposure limit values.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance
 Color Clear
 Physical State Liquid
 Odor Hydrocarbon-like
 Odor Threshold No data available
 Flash point Average 63°C, 145°F; ASTM D 56
 Flammability Upper explosion limit: 7.0% (V)
 Lower explosion limit: 0.7% (V)
 Boiling point/boiling range 192 - 211 °C, 376 - 412 °F; ASTM D-86
 Melting point/range <-70°C, <-94°F; ASTM D-2386
 Auto-ignition temperature 233°C, 453°F; ASTM E 659
 Decomposition temperature No data available
 Flammability (solid, gas) No data available
 Vapor pressure 0.32mm Hg @ 20°C, 68°F; API Calculation
 Vapor density 5.4
 Density 0.803 g/cm³ @15.5°C, 60°F; ASTM D-287
 Specific gravity No data available
 Water solubility @20°C, 68°F; negligible
 Viscosity 1.8 cSt @ 20°C, 68°F; ASTM-D 445
 pH No data available
 Evaporation rate No data available
 Partition coefficient:n-octanol/water No data available

SECTION 10: STABILITY AND REACTIVITY

Reactivity Stable at normal ambient temperature and pressure.
 Chemical stability No decomposition if stored and applied as directed.
 Conditions to avoid Keep away from heat and sources of ignition..
 Hazardous decomposition products Hazardous gases and vapors produced in fire are oxides of carbon
 Materials to avoid Oxidizing agents
 Hazardous polymerization None

SECTION 11: TOXICOLOGICAL INFORMATION

Acute dermal toxicity LD50 rabbit: 2,000 - 4,000 mg/kg

Acute inhalation toxicity	LC50 rat (4 hours): > 4.3 mg/l
Acute oral toxicity	LD50 rat: > 5,000 mg/kg
Skin corrosion/irritation	Primary irritation (rabbit): 1.2 (Max. score is 8.0.)
Eye damage/irritation	Primary irritation (rabbit): 3.0 (Max. score is 110.)
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	Genotoxicity in vitro: No data available
	Genotoxicity in vivo: No data available
	Assessment: Based on available data, the classification criteria are not met.
Reproductive toxicity	Mutagenicity: No data available
	Reproductive toxicity: No data available
	Assessment: Based on available data, the classification criteria are not met.
	Reproductive toxicity: No data available
Specific target organ toxicity - single exposure	Teratogenicity: No data available
	Assessment: Based on available data, the classification criteria are not met.
	teratogenicity: No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration toxicity	No data available
Carcinogenicity	Assessment carcinogenicity: Based on available data, the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity	Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility.
Toxicity to fish	No data available
Toxicity to aquatic invertebrates	No data available
Toxicity to algae	No data available
Biodegradation	Readily biodegradable. OECD Test Guideline 301F (28 d): 97 % Test substance: Ai-77
Bioaccumulation	No data available
Mobility in soil	No data available
Other adverse effects	No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Code	Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations.
Disposal methods	Dispose of only in accordance with local, state, and federal regulations.
Empty containers	Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed.

SECTION 14: TRANSPORT INFORMATION

DOT	Not regulated. Product does not sustain combustion (49 CFR 173.120 (b)(3)).
IATA	Not regulated.
IMDG	Not regulated.

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

OSHA Hazards (HCS1994)	Combustible liquid.
TSCA Inventory Listing	Components Distillates, petroleum, hydrotreated light
SARA 302 Status	CAS NO 64742-47-8
SARA 311/312 Classification	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302 "Fire Hazard"
SARA 313 Chemical	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
US EPA CERCLA Hazardous Substances (40 CFR 302)	None

International Regulations

WHMIS Classification	Class B, Division 3: Combustible liquid.
European Union	Xn: Harmful R65 Harmful: May cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking.

<u>Country(s) or region</u>	<u>Inventory name</u>	<u>On inventory (yes/no)*</u>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canadian	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances (IECSC)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Japan	Industrial Safety & Health Law (ISHL) Inventory	Yes
Korea	Existing Chemicals Inventory (KECI)	Yes
Mexico	National Inventory of Chemical Substances (INSQ)	Yes
New Zealand	Inventory of Chemicals (NZIoC)	Yes
Philippines	Inventory of Chemicals / Chemical Substances (PICCS)	Yes
Switzerland	Inventory of Notified New Substances (CHINV)	Yes
Taiwan	National Existing Chemical Inventory (NECI)	Yes

Note: The names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in Section 3.

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

State Regulations

California Prop.65	None
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SECTION 16: OTHER INFORMATION

Hazardous Materials Identification System (HMIS)

HMIS-RATING:	
HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	0

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