

SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

COMPANY NAME:	AMERICAN INDUSTRIES, INC.	PRODUCT NAME:	Ai-88
ADDRESS LINE 1:	4300 Kahn Drive, Box 1405	PRODUCT CODE:	3068
ADDRESS LINE 2:	Lumberton, NC 28359-1405 USA	PRODUCT USE:	Blended Solvent
TELEPHONE NUMBERS:	800-753-5153 (or) 910-738-7224	SDS FILE ID:	3068.01
EMERGENCY PHONE:	CHEMTREC 1-800-424-9300	SDS DATE:	2015-06-01

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification:

Flammable Liquids	Category 2
Acute Toxicity: Oral	Category 4
Skin Irritation	Category 3
Eye Irritation	Category 2B
Acute aquatic toxicity	Category 3

Label elements:



Signal word: **Danger**

Hazard statements: Highly flammable liquid and vapor.
Heating may cause an explosion.
Harmful if swallowed, in contact with skin, if inhaled.
Causes skin and eye irritation.

Precautionary statements: Use only non-sparking tools.
Prevention: Use personal protective equipment as required.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Wash with soap and water.

Storage: Store in a well-ventilated place. Store in a tightly closed container.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical name</u>	<u>CAS number</u>	<u>%</u>
Heptane	426260-76-6	65-85
Ethyl Alcohol	64-17-5	15-35

SECTION 4: FIRST AID MEASURES

Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms persist.
Skin contact	Wash with soap and water. Cold water may be used. Cover the irritated skin with an emollient. Get medical attention if irritation develops and persists.
Eye contact	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
Ingestion	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use dry chemical powder, alcohol foam, water spray or fog.

Hazardous combustion products	Oxides of carbon.
Fire fighting procedures	As in any chemical fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Unusual fire and explosion hazards	May burn with a near invisible flame. Vapors can travel to a source of ignition and flash back. Containers can build up pressure if exposed to high heat and/or fire. Use water spray to keep fire-exposed containers cool.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spills	Evacuate all non-essential personnel from the spill area. Eliminate all ignition sources. Suitable protective clothing should be worn. Shut off or plug source of spill. Small spills: dilute with water and mop up or absorb with an inert dry material 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. Absorb any residual on inert dry material and shovel into a suitable container for disposal. Avoid contaminating ground and surface water.
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SECTION 7: HANDLING AND STORAGE

Handling	Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Keep container closed and tightly sealed when not in use. Use good hygiene practices.
Storage	Store in a segregated and approved area. Store in a cool, dry, ventilated area, away from incompatible substances. Containers should be grounded and bonded. Avoid all possible sources of ignition.

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	Heptane	400 ppm ACGIH; 500 ppm OSHA
	Ethyl Alcohol	1000 ppm ACGIH; 1000 ppm OSHA
Personal Protective Equipment:		
Eyes	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.	
Skin Protection	If prolonged or repeated skin contact is likely wear appropriate protective gloves.	
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.	
Other equipment	Eye wash station and shower in close proximity to use are advised.	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color	Colorless
Physical State	Liquid
Odor	Mild.
Flash point	22°F (-6°C)
Flammability limits	Upper 1
	Lower 10
Boiling point	190°F (88°C)
Melting point	No data
Auto-ignition temperature	437°F (225°C)
Vapor pressure	43 mm/Hg
Vapor density (Air-1)	3

Specific gravity	0.72
Solubility in water	Negligible
Volatile %	100
Pour point	No data
pH	Not applicable.
Evaporation rate (BuAc=1)	1.6
Viscosity	Not available

SECTION 10: STABILITY AND REACTIVITY

Chemical stability	Stable under normal use and temperature conditions.
Conditions to avoid	Keep away from heat, flame and other potential ignition sources.
Incompatible materials	Reactive with oxidizing agents, acids, alkalis
Decomposition products	When combusted, oxides of carbon and various hydrocarbons

SECTION 11: TOXICOLOGICAL INFORMATION

Skin	Contact can cause redness, irritation and drying. Severity depends on the amount and duration of exposure.
Eyes	Vapors may be irritating to the eyes. Liquid contact will cause stinging and tearing.
Inhalation	Excessive inhalation of high concentrations may be harmful. Mist or vapor can irritate the throat and lungs. Breathing this material may cause central nervous system depression.
Ingestion	If swallowed this material may irritate the mucous membranes of the mouth throat and esophagus. Aspiration of this material into the lungs may result in damage or death.
Target organ effects	Eyes, skin.
Acute oral toxicity	Heptane: LD50 rat 5 g/lg Ethyl Alcohol: LD50 rat: 6,200-17,800 mg/kg
Acute inhalation toxicity	Heptane: LC50 rat: 65-104 g/m3, 4 hours Ethyl Alcohol: LC50 rat: 16,000 mg/l
Acute dermal toxicity	Heptane: LD50 rabbit: 2g/kg Ethyl Alcohol: LD50 rabbit: No Data

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity	Heptane: LC50: Not evaluated by any agency. Ethyl Alcohol: LC50: 15,300 mg/l, 96 hours, Fathead Minnow
Bio-accumulative potential	The product itself and its products of degradation are not toxic. This product is readily biodegradable.
Mobility	Accidental spillage may lead to penetration in the soil and groundwater. However, there is no evidence that this would cause adverse ecological effects.

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 regulations to ensure complete and accurate classification.

SECTION 14: TRANSPORT INFORMATION

DOT Information for Quantities Greater than 66 LBS Per Package	
Proper shipping name	Flammable Liquid, n.o.s. (contains Heptane and Ethanol)
Hazard Class	3
UN Number	1993
Packaging Group	II

SECTION 15: REGULATORY INFORMATION**US Federal Regulations**

CERCLA	None of the chemicals in this material have an RQ.
TSCA Inventory Listing	All components of this product are listed on the TSCA inventory list.
SARA 311/312 Classification	Immediate (acute) Health Hazard. Fire Hazard.
SARA 313 Classification	This product does not contain any chemicals subject to reporting.
Clean Water Act	None of the chemicals in this product are listed.
California Prop 65	This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

SECTION 16: OTHER INFORMATION

Hazardous Materials Identification System (HMIS)

HMIS-RATING:	
HEALTH	1
FLAMMABILITY	3
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