



5101B
AAV LEAK DETECTION SOLUTION

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (as Used on Label and List)
AAV Leak Detection Solution

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's name airandvac.com	Emergency Telephone Number 619-562-3060 or 800-743-8280
Address (Number, Street, City, State and ZIP Code) 1954 Friendship Drive, El Cajon, CA 92020	Telephone Number for Information 619-562-3060 or 800-743-8280
	Date Prepared
	Signature of Preparer (optional)

Section II—Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))		OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Ethylene Glycol	CAS #107-21-1	12mg/m3	10mg/m3	270mg/m3	
Acotic Acid	CAS #04-19-7	10ppm (25mg/m3)	10 ppm	15ppm (37mg/m3)	1000ppm
Isopropyl Alcohol (IPA)	CAS #67-63-0	400ppm (980mg/m3)	400ppm	500ppm (1225mg/m3)	2000ppm

NFPA Hazard Rating (0=insignificant; 1=slight; 2=moderate; 3 high; 4=extreme)

Fire: 1 Toxicity: 1 Reactivity: 0 Special:

HMIS (0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe)

Health: 2 Flammability: 1 Reactivity: 0

Section III—Physical/Chemical Characteristics

Boiling Point	218 F (103 C)	Specific Gravity (H ₂ O = 1)	1.034
Vapor Pressure (mm Hg)	7.82	Melting Point	n/a
Vapor Density (AIR = 1)	1.19	Evaporation Rate (Water = 1)	3.3
Solubility in Water	100%		

Appearance and Odor **Dark Blue – Characteristic Odor**

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used) F154 F (TCC)	Flammable Limits	LEL	UEL
Extinguishing Media			

Water

Special Fire Fighting Procedures

None

Unusual Fire and Explosion Hazards

None

Section V—Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable X		None

Incompatibility (*Materials to Avoid*)**None Determined**

Hazardous Decomposition or Byproducts

Thermal decomposition in the presence of air may yield carbon monoxide and carbon dioxide.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur X		None

Section VI—Health Hazard Data

Route(s) of Entry	Inhalation?	Skin?	Ingestion?
	Yes	No	Yes

Health Hazards (*Acute and Chronic*)**Acute: Inhalation – IPA poisoning, headache, narcosis. Ingestion – IPA and antifreeze poisoning may result in drowsiness, vomiting, headaches. Death may result from ingestion of large quantities. Chronic: None determined.**

Carcinogenicity	NTP?	IARC Monographs?	OSHA Regulated?
	n/a	n/a	n/a

Signs and Symptoms of Exposure

Inhalation – dizziness, nausea, headache. Ingestion – drowsiness, nausea, vomiting. Eyes – redness, itching. Skin – itching.

Medical Conditions

Generally Aggravated by Exposure - **None Determined**

Emergency and First Aid Procedures

Inhalation – remove to fresh air. Ingestion – empty stomach and see physician.**First Aid Procedures: Eye contact – flush with copious amounts of water. Skin contact – flush with water.****Section VII—Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled

Wipe up with rags or other absorbent material then place rags in disposable container. Complete clean-up with water.

Waste Disposal Method

Dispose of product in accordance with local, county, state and federal regulations.

Precautions to Be Taken in Handling and Storing

Store in a dry place. Cap tightly to prevent evaporation.

Other Precautions

Do not ingest, inhale, spray in eyes or contact with skin.**Section VII—Control Measures**

Respiratory Protection (<i>Specify Type</i>)				None
Ventilation	Local Exhaust	None	Special	None
	Mechanical (<i>General</i>)	None	Other	None
Protective Gloves	Non-absorbent		Eye Protection	Goggles or face shield
Other Protective Clothing or Equipment	Protective apron			
Work/Hygienic Practices	Observe all safe handling practices.			