



# MATERIAL SAFETY DATA SHEET

Product: 70-5618

## Plasma Metanephrine Conditioning Solution

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The following information is believed to be accurate and is currently the best information available to us. However, we make no warranties, express or implied, with respect to the information supplied and we assume no liability resulting from its use.

### 2. HAZARDOUS IDENTIFICATION

HAZARD CLASS	Irritant		NFPA	HMIS
Eyes:	Irritant	HEALTH	1	1
Skin:	Irritant	FLAMMABILITY	3	3
Ingestion:	Irritant	REACTIVITY	0	0
Inhalation:	Irritant	NFPA SPECIAL HMIS PPE	-	-

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	Methanol	Potassium Hydroxide
PERCENT (%)	99.0	< 1.0
CAS NO.	CAS # 00067-56-1	CAS # 1310-58-3
EINECS NO.	200-659-6	215-181-3
RISKS	R11, R23/24/25, R29	R22, R35
SAFETY	S7, S36/37, S45	S26, S36/37/39, S45



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## 4. FIRST AID MEASURES

- GENERAL:** Remove contaminated clothing, wash thoroughly before reuse.
- EYES:** Flush with water for at least 15 minutes occasionally raising upper and lower eyelids.
- SKIN:** Remove contaminated clothing and flush with water thoroughly
- INHALATION:** Vapors may be irritating to respiratory system.
- INGESTION:** If large amounts are swallowed, get medical help immediately.

## 5. FIRE FIGHTING MEASURES

- UNUSUAL FIRE AND EXPLOSION:** None known
- HAZARDS:** Flammable
- EXTINGUISHING MEDIA:** Use alcohol foam, dry chemical or carbon dioxide. (Water may be ineffective.)
- SPECIAL FIRE FIGHTING PROCEDURES:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Use water spray to blanket fire, cool fire exposed containers, and to flush non-ignited spills or vapors away from fire. Vapors can flow along surfaces to distant ignition source and flash back.

## 6. ACCIDENTAL RELEASE MEASURES

- Ventilate area.
- Wear appropriate protective clothing and eye protection.
- Contain spill. Using non-sparking tools collect or absorb with an inert material (vermiculite, dry sand, earth, etc.)
- Mop up and store in a suitable waste container.
- Wash contaminated areas with soap and water.

## 7. HANDLING AND STORAGE

Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Separate from incompatibles. Storage and use areas should be No Smoking areas. Use non-sparking type tools and equipment, including explosion proof ventilation. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product. Do Not attempt to clean empty containers since residue is difficult to remove.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### ROUTES OF ENTRY

- INHALATION:** Yes
- SKIN:** Yes
- INGESTION:** Yes

### HEALTH HAZARDS

- ACUTE:** Vapors may be irritating to skin, eyes, nose and throat.
- CHRONIC:** Chronic irritation of exposed tissues.

### VENTILATION

- LOCAL EXHAUST:** Good laboratory ventilation is acceptable.
- MECHANICAL (GENERAL):** Use in hoods if possible
- SPECIAL:** None
- OTHER:** None

### PROTECTIVE CLOTHING OR EQUIPMENT

- GLOVES:** Disposable laboratory gloves are adequate
- EYE PROTECTION:** Glasses or goggles.



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**RESPIRATORY:** If the exposure limit is exceeded and engineering controls are not feasible, wear a supplied air, full-face piece respirator, air lined hood, or full-face piece self-contained breathing apparatus.

**OTHER:** Lab coats

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear Liquid

**ODOR:** Pungent odor

**pH:** Approximately 11

**MOLECULAR WEIGHT:** Not Determined (mixture)

**MELTING POINT:** Not Applicable (liquid)

**BOILING POINT:** Approximately 64.7 °C

**AUTOIGNITION TEMPERATURE:** Not Applicable (nonflammable)

**FLASH POINT:** 12 °C

**LOWER EXPLOSION LIMIT:** 6 %

**UPPER EXPLOSION LIMIT:** 36 %

**SPECIFIC GRAVITY:** 0.8



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## 10. STABILITY & REACTIVITY

**STABILITY/CONDITIONS TO AVOID:** This is a stable chemical  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizers  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Not Determined  
**HAZARDOUS POLYMERIZATION:** Not Applicable

## 11. TOXICOLOGY INFORMATION

### PRODUCT TOXICOLOGY INFORMATION:

**SYMPTOMS AND SIGNS OF EXPOSURE:** May cause minor soreness or redness of eyes or mucous membranes.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Unknown

**EMERGENCY AND FIRST AID PROCEDURES:** In case of contact, wash skin with copious amounts of water.  
Flush eyes with copious amounts of water for at least 15 minutes.  
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.  
Submit to medical examination.

**CARCINOGENICITY:** Not Applicable

**RTECS #:** PC1400000 (methanol), TT2100000 (potassium hydroxide)

**ACGIH TLV TWA:** No data found

**OSHA PEL:** 260 mg/m<sup>3</sup> TWA (methanol)

**NTP:** No Information Found

**IARC Monographs:** No Information Found

Methyl Alcohol (Methanol) Oral rat LD50: 5628 mg/kg; inhalation rat LC50: 64000 ppm/4H; skin rabbit LD50: 15800 mg/kg; Irritation data-standard Draize test: skin, rabbit: 20mg/24 hr. Moderate; eye, rabbit: 100 mg/24 hr. Moderate. Investigated as a mutagen, reproductive effector.

### HAZARDOUS COMPONENT TOXICOLOGY INFORMATION:

Hazardous Components:	Methanol	Potassium Hydroxide
<b>RTECS #</b>	PC1400000	TT2100000
<b>OSHA PEL</b>	260 mg/m <sup>3</sup> TWA	None
<b>ACGIH TLV</b>	No Information Found	No Information Found
<b>TOXICITY DATA</b>	No Information Found	No Information Found



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## 12. ECOLOGICAL INFORMATION

### Environmental Fate:

When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into air, this material is expected to have a half-life between 10 and 30 days. When released into water, this material is expected to readily biodegrade. When released into the water, this material expected to have a half-life between 1 and 10 days. Standard dilution BOD5/TOD=58%. When released into the soil, this material is expected to readily biodegrade. This material is not expected to significantly bioaccumulate. This material has an estimated bioconcentration factor (BCF) of less than 100.

### Environmental Toxicity:

This material is expected to be slightly toxic to aquatic life.

## 13. DISPOSAL CONSIDERATIONS

Contact local hazardous materials or chemical waste disposal agency for regulations.

## 14. TRANSPORT INFORMATION

### IATA CLASSIFICATION:

<b>UN ID NUMBER:</b>	UN 1993
<b>PROPER SHIPPING NAME:</b>	Flammable liquid, n.o.s. (methanol solution)
<b>CLASS OR DIVISION:</b>	3
<b>SUB RISK:</b>	6.1
<b>HAZARD LABEL(S):</b>	Flammable liquid, Toxic
<b>PACKAGING GROUP:</b>	PG II
<b>LIMITED QUANTITY PKG INSTRUCTION:</b>	Y305
<b>MAXIMUM LIMITED QUANTITY:</b>	1L
<b>SPECIAL PROVISIONS:</b>	None
<b>ERG CODE:</b>	3H

## 15. REGULATORY INFORMATION

**PRODUCT RISK STATEMENTS:** R11, R 22, R23/24/25, R29, R35

**PRODUCT SAFETY STATEMENTS:** S7, S23, S26, S36/37/39, S45

## 16. OTHER INFORMATION