



MATERIAL SAFETY DATA SHEET

Revision date: 10-Dec-1999

Version: 1.1

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

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CHEMTREC (24 hours): 1-800-262-8200

Emergency telephone number:
ChemSafe (24 hours): +44 (0)208 762 8322

Material Name: Adrenalin Chloride Solution

Trade Name: Not determined
Synonyms: None
Chemical Family: Not determined
Intended Use: allergic reactions (anaphylaxis)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous

Ingredient	CAS Number	EU EINECS List	%
Epinephrine	51-43-4	200-098-7	<1.0%

Additional Information: Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

3. HAZARDS IDENTIFICATION

Appearance: Colorless, odorless solution

Statement of Hazard: Not applicable
Eye Contact: No data available
Skin Contact: No data available
Inhalation: No data available
Ingestion: No data available
EU Indication of danger: Not classified

Additional Information: For a more detailed discussion of potential health hazards and toxicity see Section 11.
Note: This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warnings included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes. If irritation occurs or persists, get medical attention.

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Skin Contact: Remove contaminated clothing and wash the affected area with soap and water. Seek medical attention if unusual symptoms occur. This material may not be completely removed by conventional laundering. Consult professional laundry service. Do not home launder.

Ingestion: In the event of swallowing this material, dilute with large quantities of water or milk. Get medical attention.

Inhalation: Remove to fresh air. If discomfort persists, get medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use carbon dioxide, dry chemical, or water spray.

Hazardous Combustion Products: None known or expected.

Fire Fighting Procedures: Wear approved positive pressure, self-contained breathing apparatus and full protective turn out gear.

Fire / Explosion Hazards: Fine particles (such as dust and mists) may fuel fires/explosions.

6. ACCIDENTAL RELEASE MEASURES

Health and Safety Precautions: Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

Measures for Cleaning / Collecting: Use non-combustible absorbent material to wipe up spill and place in a sealed container for disposal. Clean spill area thoroughly.

Measures for Environmental Protections: Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

Additional Consideration for Large Spills: Contain the source of the spill or leak if it is safe to do so. Collect spill with a non-combustible absorbent material and transfer to labeled container for disposal. Clean spill area thoroughly.

Additional Information: Review Sections 3, 8 and 12 before proceeding with clean up.

7. HANDLING AND STORAGE

General Handling: Avoid contact with eyes. Avoid contact with skin and clothing. Avoid breathing vapor or mist.

Storage Conditions: Keep in tightly closed containers away from heat and light. Store in a cool, dry, well-ventilated area. Protect from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment:

Hands: Chemical protective gloves

Eyes: Not required under normal conditions of use. Wear safety glasses or goggles if eye contact is possible.

Skin: None required for normal use of this material. Wear protective clothing with long sleeves when working with large quantities. Wash hands and arms thoroughly after handling this material.

Respiratory protection: None required under normal conditions of use.

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9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State:	Solution	Color:	Colorless
Odor:	Odorless	Molecular Formula:	Mixture
Molecular Weight:	Mixture		
Solubility:	Soluble: Water		
Melting/Freezing Point (°C):	0		
Flash Point (°C):	>55		
Boiling Point (°C):	100		
Vapor Pressure (kPa):	23 hPa (20 °C)		
Relative Density:	1 g/cm ³ (20 °C)		

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use.
Conditions to Avoid:	Avoid direct sunlight, conditions that might generate heat, and sources of ignition.
Incompatible Materials:	As a precautionary measure, keep away from strong oxidizers.
Hazardous Decomposition Products:	None known
Polymerization:	No data available

11. TOXICOLOGICAL INFORMATION

Epinephrine

Rat Dermal LD50 62 mg/kg

Inhalation Acute Toxicity No data available

Ingestion Acute Toxicity No data available.

Eye Irritation / Sensitization No data available

Skin Irritation / Sensitization No data available

Chronic Effects/Carcinogenicity Studies in rats have shown that ethinyl estradiol increases the incidence of liver, pituitary, and mammary tumors. It was also able to significantly enhance the development of kidney and liver tumors induced by several other agents. Studies in mice resulted in an increased incidence of pituitary and mammary tumors in both males and females, along with malignant tumors of the uterus and cervix in females.

Teratogenicity The therapeutic use of this substance during pregnancy may cause harm to the developing fetus.

Mutagenicity No data available

Carcinogen Status: Not listed as a carcinogen by IARC, NTP or US OSHA.

Additional Information: Effects reported during consumer use include headache, agitation, changes in blood pressure, dizziness, breathing difficulty, nausea, and vomiting.

12. ECOLOGICAL INFORMATION

Environmental Overview: The environmental characteristics of this material have not been fully evaluated. Releases to the environment should be avoided.

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13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Observe all local and national regulations when disposing of this material.

Epinephrine
RCRA - P Series Wastes Listed

14. TRANSPORT INFORMATION

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

15. REGULATORY INFORMATION

EU Indication of danger: Not classified

OSHA Label:
None required
Not applicable

Canada - WHMIS: Classifications

WHMIS hazard class:
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Epinephrine

CERCLA/SARA Hazardous Substances and their Reportable Quantities:	1000 lb final RQ
EU EINECS List	454 kg final RQ
Inventory - United States TSCA - Sect. 8(b)	200-098-7
	Listed

16. OTHER INFORMATION

Prepared by: Corporate Occupational Toxicology & Hazard Assessment

Pfizer Inc believes that the information contained in this Material Safety Data Sheet is accurate, and while it is provided in good faith, it is without a warranty of any kind, expressed or implied.

End of Safety Data Sheet