

**ASTRA®**  
**MATERIAL SAFETY DATA SHEET**  
Facsimile

PRODUCT NAME: Xylocaine Solutions (for critical care)  
EMERGENCY PHONE: 24 HOURS: 1-800-225-6333  
GENERAL INFORMATION PHONE: 1-508-366-1100  
DATE THIS FORM PREPARED: October 1, 1987

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**1. MATERIAL AND MANUFACTURER IDENTIFICATION**

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SYNONYM(S)/CLASSIFICATION      Aqueous solutions of Xylocaine (Lidocaine hydrochloride) as pharmaceutical products.

PRODUCT USE      For intravenous infusion in cases of ventricular arrhythmia.

MANUFACTURER NAME & ADDRESS      ASTRA Pharmaceutical Products, Inc.  
50 Otis St., Westborough, MA 01581

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**2. REGULATORY INFORMATION**

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DOT (HMTA)      Not listed as a hazardous material  
DEPARTMENT OF TRANSPORTATION      U.N. OR N.A. NUMBER: None

EPA (CERCLA/RCRA)      Not listed as a hazardous substance.  
ENVIRONMENTAL PROTECTION AGENCY

OSHA (OSHA)      Not listed as a hazardous chemical.  
OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION

EPA (TSCA)      Not listed as a hazardous chemical  
ENVIRONMENTAL PROTECTION AGENCY      substance.

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**3. HAZARDOUS INGREDIENTS**

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NAME	CAS NUMBER	% CONC.	OSHA PEL	ACGIH TLV	OTHER
Lidocaine hydrochloride	73-78-9	2.0 to 20.0	Not listed	Not listed	Not listed

## 4. PHYSICAL DATA

BOILING RANGE (°C)	-100	SOLUBILITY IN WATER	Soluble
MELTING POINT (°C)	-0	SPECIFIC GRAVITY (water = 1)	-1
VAPOR PRESSURE (mmhg)	-17	EVAPORATION RATE (water = 1)	-1
VAPOR DENSITY (air = 1)	0.8	PHYSICAL STATE	Liquid
COLOR AND ODOR	Clear, odorless		

## 5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT ( AND METHOD USED)	Not flammable	FLAMMABLE LIMITS (STP) LOWER: N.A. UPPER: N.A.
EXTINGUISHING MEDIA	Not applicable	
SPECIAL FIRE FIGHTING PROTECTIVE EQUIPMENT	None	
UNUSUAL FIRE AND EXPLOSION HAZARDS	None	

## 6. REACTIVITY DATA

STABILITY	STABLE	X	CONDITIONS TO AVOID
	UNSTABLE		None
INCOMPATIBILITY (MATERIALS TO AVOID)	Compounds or materials which react violently with water.		
HAZARDOUS DECOMPOSITION PRODUCTS	None		
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	None

HAZARD CLASSIFICATION BASED ON NFPA SYSTEM	HAZARD CODE	
	4: EXTREME	FLAMMABILITY 0
	3: HIGH	HEALTH 2
	2: MODERATE	REACTIVITY 0
	1: SLIGHT	SPECIAL -
	0: NEGLIGIBLE	

7. SPECIAL PROTECTION INFORMATION

VENTILATION	LOCAL EXHAUST <input checked="" type="checkbox"/>	MECHANICAL (General) <input type="checkbox"/>	SPECIAL <input type="checkbox"/>
RESPIRATORY PROTECTION (Specify Type)	None normally required.		
PROTECTIVE CLOTHING	None normally required.		
EYE PROTECTION	None normally required.		
OTHER PROTECTIVE EQUIPMENT	None normally required.		
WORK/HYGIENIC PRACTICES	Avoid ingestion and contact with eyes.		

8. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Clean up spills with normal procedures used for non-hazardous liquids.
DISPOSAL METHOD	Dispose as a non-hazardous waste under RCRA, and in accordance with applicable regulations.

9. SPECIAL PRECAUTIONS

HANDLING AND STORING REQUIREMENTS	Store in a cool, dry place. Avoid extremes in temperature. Handle to avoid breakage.
PRECAUTIONARY LABELING	None required. Caution against ingestion and contact with eyes is recommended.

COMMENTS: Data and information for items 4 through 9 relate to the products as a whole (aqueous solutions).

10. HEALTH HAZARD DATA				
POTENTIAL CONTACT AND ROUTES OF ENTRY	INHALATION ___	INGESTION XX	SKIN XX	EYE XX
BASIS OF HEALTH HAZARD DETERMINATION	PRODUCT AS A WHOLE XX		INDIVIDUAL CONSTITUENTS ___	
HEALTH HAZARDS	<p>Ingestion and systemic absorption of these products may result in toxic effects on the central nervous system and on the cardiovascular system. Allergic reactions may also occur.</p> <p>Significant adverse effects on intact skin are unlikely. Contact with mucous membranes may cause irritation plus numbness and loss of sensation.</p> <p>Contact with eyes may cause irritation. Eye contact will also cause numbness and loss of sensation.</p>			
SIGNS AND SYMPTOMS OF EXPOSURE	Systemic effects may include nervousness, confusion, drowsiness, blurred vision, vomiting, tremors, convulsions, respiratory depression, slowing of the heart, blood pressure drop, and unconsciousness.			
EMERGENCY AND FIRST AID PROCEDURES	Call a physician. Medical attention should include maintenance of breathing and controlling convulsions if they occur. If eye contact occurs, wash thoroughly with clean water for 15 minutes.			
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	Hypersensitivity to local anesthetics of the amide type.			
CARCINOGENICITY	NOT LISTED XX	NTP ___	IARC ___	OSHA ___

COMMENTS: Lidocaine hydrochloride is a local anesthetic and anti-arrhythmic agent, and it can depress excitable tissues. Thus it may cause adverse effects on the nervous system, on respiration, and on the cardiovascular system.