MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

1501 East Woodfield Road
Suite 300 East
Schaumburg, IL 60173
(847) 969-2700

Emergency Telephone **(800) 551-7176**

Product Identifier: Xylocaine® / Xylocaine®-MPF

Chemical Name: Lidocaine Hydrochloride

Category: Anesthetic

SECTION 2 - COMPOSITION

Ingredient	CAS Number	Amount
Lidocaine Hydrochloride	137-58-6	0.5%, 1%, 1.5%, and 2%
Sodium Chloride	7647-14-5	For Isotonicity
Methylparaben	99-76-3	1 mg/mL

Note: Xylocaine®-MPF does not contain methylparaben

SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry: Inhalation, eye/skin contact, or ingestion

Chemical Listing as Carcinogen

NTP: No

IARC: No

OSHA: No

Note: NA

SECTION 4 - EMERGENCY & FIRST AID MEASURES

Eyes: Immediately flush eyes with water for at least 15 minutes. Seek medical attention.

Skin: Wash exposed area with soap and water, remove contaminated clothing, and obtain medical assistance if irritation occurs.

SECTION 4 - EMERGENCY & FIRST AID MEASURES…continued

Inhalation:	Remove patient fom exposure. Obtain medical attention if ill effects occur.
Ingestion:	Do not induce vomiting. Flush mouth out with water immediately and give 200-300 mL of water to drink. Seek medical attention.
Contact Info:	For Adverse Event Information, please call (800) 551-7176 or (847) 969-2700.

SECTION 5 - FIRE FIGHTING MEASURES

Fire and Explosion Data

Closed Cup Flash Point:	NE
Open Cup Flash Point:	NE
Fire Point:	NE
Autoignition:	NE
Lower Explosion Limit:	NE
Upper Explosion Limit:	NE
General Hazard:	If involved in a fire, it may burn and emit noxious and toxic fumes.
Fire Fighting Instructions:	Water spray, dry chemical, carbon dioxide, or foam as appropriate to surroundings.
Fire Fighting Equipment:	Wear self-containing breathing apparatus and protective clothing.
Hazardous Combustion Products:	If involved in a fire, it may burn and emit noxious and toxic fumes.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Clean-Up:	Ensure suitable personal protection during removal of spillages. Adsorb spillages onto sand, earth or any suitable adsorbent material. Wash the spillage area clean with water and detergent.

SECTION 7 - HANDLING AND STORAGE

General Handling:	No special precautions are necessary when handling packed product. In case of accident, avoid contact with skin and eyes. Do not breathe mist.

SECTION 7 - HANDLING AND STORAGE…continued

Storage Conditions: Should be stored at room temperature, approximately 25°C (77°F). Protect from light.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: No ACGIH TLV or OSHA PEL assigned.

Personal Protective Equipment

Eye Protection: Chemical tight goggles

Hand Protection: Impervious gloves, if needed

Respiratory Protection: If needed, use NIOSH-approved respirator for organic vapors, dusts, and mists with a TLV greater than 0.05 mg/m³

Skin Protection: Wear suitable protective clothing

Exposure Limits:

Compound	Issuer	Type	OEL
Lidocaine Hydrochloride	OSHA	PEL	NE
	ACGIH	TLV	NE
	---	STEL	NE
Sodium Chloride	OSHA	PEL	NE
	ACGIH	TLV	NE
	---	STEL	NE
Methylparaben	OSHA	PEL	NE
	ACGIH	TLV	NE
	---	STEL	NE

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical Form/ Appearance: Odorless, clear aqueous solution.

Boiling Point/Boiling Range: NE

Melting Point/Melting Range: NE

Freezing Point: NE

Vapor Pressure: 17 mmHg at 20°C

Relative Vapor Density: NE

Percent Volatiles: NE

pH: Approximately 6.5 (5.0-7.0)

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES…continued

Molecular Weight: 288.82

Solvent Solubility: Soluble in water

Note: NA

SECTION 10 - STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to Avoid: Incompatible materials: Water reactive materials.

Hazardous Polymerization: None known.

SECTION 11 - TOXICOLOGY INFORMATION

Signs & Symptoms of Exposure & Overexposure: This product is intended for therapeutic use only when prescribed by a physician. Potential adverse reactions from prescribed doses and overdoses are described in the package insert. Possible adverse reactions include: lightheadedness, nervousness, drowsiness, bradycardia, hypotension, and allergic reactions. Occupational exposure has not been fully investigated.

Medical Conditions Aggravated by Accidental Exposure: Individuals with a known history of hypersensitivity to local anesthetics of the amide type or to other components of Xylocaine® / Xylocaine®-MPF.

Acute Toxicity:

Compound	Type	Route	Species	Dosage
Lidocaine Hydrochloride	LD_{50}	Oral	Rat	214 mg/kg
	LD_{50}	Oral	Mouse	220 mg/kg
	LD_{50}	IV	Rat	21 mg/kg
	LD_{50}	IV	Mouse	15 mg/kg

Other: Pregnancy Category B: Reproductive studies have been performed in rats at doses up to 6.6 times the human dose and have revealed no evidence of harm to the fetus caused by lidocaine HCl. However, there are no adequate well-controlled studies in pregnant women.

SECTION 12 - TRANSPORTATION INFORMATION

UN/NA Number: NA

U.S. DOT Hazard Class: NA

Proper Shipping Name: NA

Shipping Label: NA

SECTION 13 - DISPOSAL INFORMATION

Disposal Procedure: Dispose of in accordance with federal, state, and local regulations.
Container Disposal: Empty container retains product residue. Observe retains product residue. Observe all hazard precautions.

SECTION 14 - OTHER

Key to Abbreviations:

ACGIH - American Conference of Governmental Industrial Hygienists
HEPA - High Efficiency Particulate Air
IARC - International Agency for Research on Cancer
NA - Not Applicable
NE - Not Established
NG - Not Given
NIOSH - National Institute for Occupational Safety and Health
NTP - National Toxicology Program
OEL - Occupational Exposure Limit
OSHA - Occupational Safety and Health Administration
PEL - Permissible Exposure Limit
PPM - Parts Per Million
QS - Quantity Sufficient
RCRA - Resource Conservation and Recovery Act
STEL - Short Term Exposure Limit
TLV - Threshold Limit Value
USP - United States Pharmacopeia

Disclaimer: The information contained herein pertains to this material. It is the responsibility of each individual party to determine for themselves the proper means of handling and using these materials based on their purpose and intended use. Abraxis BioScience, Inc. assumes no liability resulting from the use of or reliance upon the information contained in this material safety data sheet. This material safety data sheet does not constitute the guaranty or specifications of the product.