

MATERIAL SAFETY DATA SHEET

Silica Kit # 3 of 3

SECTION I

MANUFACTURER'S NAME LaMotte Chemical Products Company		EMERGENCY TELEPHONE NO. 301-778-3100
ADDRESS (Number, Street, City, State, and ZIP Code) P. O. Box 329, Chestertown, MD 21620		
CHEMICAL NAME AND SYNONYMS Hydrochloric Acid		TRADE NAME AND SYNONYMS Silica Rgt. #1 Code 4571
CHEMICAL FAMILY Inorganic acid	FORMULA HCl	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE	N/A		METALLIC COATINGS	N/A	
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Hydrochloric Acid CAS# 7647-01-0				9.3	

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	unknown	SPECIFIC GRAVITY (H ₂ O=1)	unknown
VAPOR PRESSURE (mm Hg.)	unknown	PERCENT VOLATILE BY VOLUME (%)	unknown
VAPOR DENSITY (AIR=1)	unknown	EVAPORATION RATE (_____ =1)	unknown
SOLUBILITY IN WATER	soluble		
APPEARANCE AND ODOR <i>clear, colorless liquid</i>			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES <i>Not a Fire Hazard</i>			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

SECTION V - HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	unknown
EFFECTS OF OVEREXPOSURE	Irritating to skin, nose, mouth and throat
EMERGENCY AND FIRST AID PROCEDURES	
eye contact	Immediately flush thoroughly with water for 15 min.; call a physician
external	Immediately flush with water, remove contaminated clothing and flush skin thoroughly
internal	do not induce vomiting; rinse mouth with water; drink glassful of water and call a physician

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	N/A
INCOMPATIBILITY (Materials to avoid)		alkalies	
HAZARDOUS DECOMPOSITION PRODUCTS N/A			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	N/A

SECTION VII - SPILL OR LEAK PROCEDURES	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Cover contaminated area with sodium bicarbonate. Wash slurry down drain with excess water.	
WASTE DISPOSAL METHOD Add slowly to a solution of soda ash and slaked lime. Add neutralized solution to excess of running water and wash down drain.	

SECTION VIII - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type) none			
VENTILATION	LOCAL EXHAUST	X	SPECIAL -----
	MECHANICAL (General)	-----	OTHER -----
PROTECTIVE GLOVES	plastic gloves	EYE PROTECTION	goggles
OTHER PROTECTIVE EQUIPMENT lab coat			

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Protect against physical damage. Store away from alkalies. Avoid contact with skin or clothing.	
OTHER PRECAUTIONS	