

## MATERIAL SAFETY DATA SHEET

This MSDS complies with OSHA's Hazard Communication Standard CFR 1910.1200 and OSHA Form 174.

N/A SIGNIFIES NON-APPLICABLE

## IDENTITY AND SUPPLIERS INFORMATION

PRODUCT NAME:	M.A./SUB	CHEMICAL FAMILY:		<table><tr><th>HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM</th><th>RATING</th></tr><tr><td>HEALTH</td><td>2</td></tr><tr><td>FLAMMABILITY</td><td>0</td></tr><tr><td>REACTIVITY</td><td>0</td></tr><tr><td>MAX PERSONAL PROTECTION</td><td>E</td></tr></table>		HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	RATING	HEALTH	2	FLAMMABILITY	0	REACTIVITY	0	MAX PERSONAL PROTECTION	E
HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM	RATING														
HEALTH	2														
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MAX PERSONAL PROTECTION	E														
GMP PRODUCT NUMBER:	C313	FORMULA:	PROPRIETARY												
SUPPLIER'S NAME:	GENERAL PRODUCTS & SUPPLY, INC.	PHONE NUMBER:	(724) 327-7200												
SUPPLIER'S ADDRESS:	101 TECHNOLOGY LANE	EMERGENCY NO.:	800-255-3924												
	EXPORT, PA 15632	DATE PREPARED:	05/829/07												
PROPER SHIPPING NAME:															

## SECTION 1 - INGREDIENT IDENTIFICATION AND INFORMATION

CHEMICAL NAME	CARC.	CAS NO.	WT %	SARA III	PEL	TLV- TWA-	STEL-TLV
Hydrochloric Acid	No	7647-01-0	<20	No	5 ppm	5 ppm	

## SECTION 2 - PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: 220°F (105°C) / /ND  
VAPOR PRESSURE: Not Determined  
VAPOR DENSITY (Air = 1): Not Determined  
SOLUBILITY IN WATER: Complete  
SPECIFIC GRAVITY @ 20°C: 1.06  
pH RANGE: 1.3 (10% Solution)  
EVAPORATION RATE: (Water = 1) < 1  
PHYSICAL DESCRIPTION: Light yellow liquid with characteristic odor

## SECTION 3 - FIRE/EXPLOSION HAZARD DATA

FLAMMABILITY: (FLAME PROJECTION) N/A  
AUTO IGNITION TEMP: Not Applicable  
FLASH POINT: Not Applicable  
FLAMMABILITY LIMITS: %UEL – Not Applicable %LEL – Not Applicable  
EXTINGUISHER MEDIA: Non-combustible  
SPECIAL FIRE FIGHTING PROCEDURES: Material is strongly acidic. Beware of contact.  
UNUSUAL FIRE/EXP. HAZARDS: Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure build up which could result in container rupture.

## SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: Stable  
HAZARDOUS POLYMERIZATION: Will not occur.  
INCOMPATIBILITY: Strong alkalis, soft metals (evolution of flammable gas)  
CONDITIONS TO AVOID: Not Applicable  
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes

## SECTION 5 - HEALTH HAZARD DATA AND FIRST AID

PRIMARY ROUTES OF ENTRY: Inhalation, Skin Absorption, Eye  
ACUTE EFFECTS:

## FIRST AID PROCEDURES:

SKIN:	Irritation possible upon contact. May be absorbed through skin.	SKIN:	Remove contaminated clothing and flush exposed skin with soap and water. If irritation persists or develops, get medical attention. Launder contaminated clothing before reuse.
EYES:	Irritation upon contact, may cause burns upon prolonged contact.	EYES:	Immediately flush eyes with large amounts of water for 15 minutes and get medical attention.
INHALATION:	Headache or "drunkenness" resulting in poor coordination and impaired judgment.	INHALATION:	Move to fresh air. Aid in breathing, if necessary, and get medical attention.
INGESTION:	Nausea and vomiting.	INGESTION:	If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately. Never give anything by mouth to an unconscious person.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION: N	NIOSH/MSHA approved can or cartridge respirator for gas and vapor as needed to maintain P.E.L.
PROTECTIVE GLOVES:	Neoprene gloves
EYE PROTECTION:	Chemical goggles and/or full face shield.
VENTILATION REQUIREMENTS:	Local and/or mechanical exhaust to maintain exposure below P.E.L.
OTHER PROTECTIVE CLOTHING & EQUIPMENT:	Full chemical suit, boots - as necessary to prevent skin contact. Safety shower and eyewash fountains should be easily accessible.
HYGIENIC WORK PRACTICES:	Do not eat, drink or smoke in work area. Wash hands after handling. Launder contaminated clothing.

## SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Avoid skin contact. Neutralize with appropriate material and absorb with sand or inert material. Place into suitable container for disposal. Flush neutralized residues with water to sanitary sewer.

WASTE DISPOSAL METHODS: Corrosive. Dispose of in accordance with all Federal, State and Local regulations.

PRECAUTIONS IN HANDLING AND STORAGE: Empty containers may contain residuals. Thoroughly clean, then offer for recycling, reuse, or disposal in accordance with governmental regulations.

HAZARDOUS WASTE 40CFR261: Yes. Hazardous Waste Number: D002.

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Do not store near strong alkalis or other reactive materials.

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without any warranty or guarantee of any kind.