



Manufacturer of Precision Tools and Equipment

PAGE 1

MANUFACTURE INFORMATION

GROBET FILE CO. OF AMERICA, INC.  
750 WASHINGTON AVE.  
CARLSTADT, NJ 07072

EMERGENCY PHONE.....: 800-255-3924  
PREPARATION/REVISION DATE: 10/31/97

TRADE NAME/SYNONYMS...: PLTNG SOL COPPER HAZARD QUART  
CHEMICAL NAME/SYNONYMS:  
CHEMICAL FAMILY.....:  
FORMULA.....:  
PRODUCT CODE.....: 45.0310

\*\*\*\*\* HAZARDOUS INGREDIENTS \*\*\*\*\*

DOES PRODUCT CONTAIN HAZARDOUS INGREDIENTS? (Y,N,N/A,N/I) : Y

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA TLV-ACGIH
SULFURIC ACID	7664-93-9		1MG/M3
COPPER SULFATE	7758-99-8		1MG/M3
			AS CU
			MIST-0.1
			MG/M3 AS
			FUME

DOES PRODUCT CONTAIN CARCINOGENS (NTP, IARC, OR OSHA)? (Y,N,N/A,N/I): N/I

\*\*\*\*\* HEALTH HAZARD DATA \*\*\*\*\*

HEALTH EFFECTS (ACUTE AND CHRONIC)

ACUTE: CORROSIVE TO EYES. CHRONIC: IRRITATES MUCOUS MEMBRANES, EYES, SKIN AND GASTRO-INTESTINAL TRACT.

SIGNS OF EXPOSURE: IRRITATION OF MUCCUS MEMBRANES, EYES, SKIN AND GASTRIO-INT ESTINAL TRACT.

PRIMARY ROUTES OF ENTRY

EYE/SKIN/LUNGS/INGESTION

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

N/I

EMERGENCY FIRST AID PROCEDURES

EYE: CALL PHYSICIAN FOR SERIOUS EYE, SKIN, INHALATION OR INGESTION CONTACT.

WASH EYES UNDER LIDS COPIOUSLY WITH WATER FOR 15 MIN. IMMEDIATELY AFTER CONTA CT. IF SWALLOWED GIVE 2 GLASSES OF MILK OF MAGNESIA, MILK OR WATER. DO NOT IN DUCE VOMITING. CALL PHYSICIAN; GASTRIC LAVAGE MAY BE INDICATED. SEE PHYSICIAN FOR DERMATITIS.



Manufacturer of Precision Tools and Equipment

PAGE 2

\*\*\*\*\* CHEMICAL DATA \*\*\*\*\*

BOILING POINT(F)....	212F	SPECIFIC GRAVITY(WATER=1).....	1.05
VAPOR PRESSURE(MMHG)	N/A	PERCENT VOLATILE BY VOLUME(%).....	N/A
VAPOR DENSITY(AIR=1)	N/A	EVAP RATE( N/A =1)	N/A

SOLUBILITY IN WATER.. COMPLETE

APPEARANCE AND ODOR INFORMATION

TRANSPARENT BLUE LIQUID, ODORLESSOR

\*\*\*\*\* PHYSICAL HAZARD DATA \*\*\*\*\*

FLASH POINT (METHOD USED) NONE FLAMMABLE LIMITS-LEL= N/A UEL= N/A

EXTINGUISHING MEDIA

CO2 DRY CHEMICAL PREFERRED

SPECIAL FIRE FIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.  
AVOID FLUSHING TO SEWER OR STREAM. NETRALIZE RUN-OFF WITH LIME, SODA ASH TO P  
REVENT CORROSION OF METAL AND PREVENT FORMATION OF HYDROGEN GAS.

UNUSUAL FIRE AND EXPLOSION HAZARDS

HYDROGEN GAS MAY BE GENERATED " SEE ABOVE STATEMENT "

\*\*\*\*\* REACTIVITY DATA \*\*\*\*\*

INCOMPATIBILITY (MATERIALS TO AVOID)

ALKALIES

HAZARDOUS DECOMPOSITION PRODUCTS

HYDROGEN GAS AND COPPER FUME ( ABOVE 560C)

WILL HAZARDOUS POLYMERIZATION OCCUR

NO

CONDITIONS TO AVOID/POLYMERIZATION

NONE

IS THE PRODUCT STABLE

YES

CONDITIONS TO AVOID/STABILITY



Manufacturer of Precision Tools and Equipment

PAGE 3

NONE

\*\*\*\*\* SPILL AND LEAK PROCEDURES \*\*\*\*\*

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
WASH DOWN WITH WATER. NEUTRALIZE WASHINGS WITH LIME OR SODA ASH. WASH SITE WITH SODA ASH SOLUTION.

WASTE DISPOSAL METHOD  
FOLLOW LOCAL REGULATIONS. CONTAINS COPPER.

\*\*\*\*\* EXPOSURE CONTROL INFORMATION \*\*\*\*\*

VENTILATION

LOCAL EXHAUST	YES	MECHANICAL (GEN)	YES
SPECIAL.....	NONE	OTHER.....	NONE

RESPIRATORY PROTECTION  
NONE

PROTECTIVE GLOVES  
BUTYL RUBBER OR NEOPRENE

OTHER PROTECTIVE EQUIPMENT  
CHEMICAL APRON / CHEMICAL SAFETY GOGGLES / FACE SHIELD

OTHER ENGINEERING CONTROLS  
EYE FOUNTAIN AND SAFETY SHOWER SHOULD BE AVAILABLE

WORK PRACTICES  
WASH HANDS AFTER USE

HYGENIC PRACTICES  
WASH HANDS

\*\*\*\*\* SPECIAL PRECAUTIONS \*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE  
NORMAL FOR LIQUIDS IN PLASTIC CONTAINERS. STORE AT MODERATE TEMPERATURES IN CLOSED CONTAINERS.

MAINTENANCE PRECAUTIONS  
NONE



---

Manufacturer of Precision Tools and Equipment

PAGE

4

OTHER PRECAUTIONS

NONE

OTHER COMMENTS

NONE