

MANUFACTURE INFORMATION

GROBET FILE CO. OF AMERICA, INC.
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CARLSTADT, NJ 07072

EMERGENCY PHONE.....: 800-255-3924
PREPARATION/REVISION DATE: 03/20/92

TRADE NAME/SYNONYMS...: SOLDER-SILVER PASTE-MEDIUM
CHEMICAL NAME/SYNONYMS:
CHEMICAL FAMILY.....:
FORMULA.....:
PRODUCT CODE.....: 54.831

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

Table with 5 columns: CHEMICAL/Common Name, CAS-Number, %, PEL-OSHA, TLV-ACGIH. Rows include SILVER, COPPER, ZINC, POTASSIUM BIFLOURIDE, and POTASSIUM FLUOBORATE.

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

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

HEALTH EFFECTS (ACUTE AND CHRONIC)
FLOURIDE FUMES CAUSE HYPOCALCEMIA; SKIN CONTACT CAUSES SEVERE IRRITATION
SILVER: OVER EXPOSURE TO SILVER DUSTS OR FUMES MAY CAUSE A PERMANENT GRAYISH
POTASSIUM FLUOBORATE

PRIMARY ROUTES OF ENTRY
INHALATION, SKIN INGESTION

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
PREEXISTING EYE AND SKIN DISORDER OR DAMAGE TO MUCOUS MEMBRANES MAY BE
SUSCEPTIBLE TO THE EFFECT OF FLOURIDE EXPOSURE.

EMERGENCY FIRST AID PROCEDURES
VICTIMS OF OVEREXPOSURE TO FUME - IMMEDIATELY REMOVE TO FRESH AIR.
IF BREATHING IS DIFFICULT, GIVE OXYGEN IF QUALIFIED OPERATOR IS AVAILABLE. IF
NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. CALL A PHYSICIAN AND GIVE
SUPPORTIVE TREATMENT.

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

BOILING POINT(F).... >450F SPECIFIC GRAVITY(WATER=1)..... N/A
VAPOR PRESSURE(MMHG) <.5MM PERCENT VOLATILE BY VOLUME(%)..... N/A
VAPOR DENSITY(AIR=1) N/A EVAP RATE( NIL @ 25C =1) 25C

SOLUBILITY IN WATER.. INSOLUBLE

APPEARANCE AND ODOR INFORMATION
PASTE - NO ODOR

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

FLASH POINT (METHOD USED) 250F FLAMMABLE LIMITS-LEL= N/A UEL= N/A

EXTINGUISHING MEDIA
CO2, DRY CHEMICAL, FOAM, WATER OR SPRAY (FOG)

SPECIAL FIRE FIGHTING PROCEDURES
FIRE FIGHTERS SHOULD WEAR SCBA AND FULL PORTECTIVE CLOTHING

UNUSUAL FIRE AND EXPLOSION HAZARDS
N/A

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

INCOMPATIBILITY (MATERIALS TO AVOID)  
ACIDS AND ALKALIES

HAZARDOUS DECOMPOSITION PRODUCTS  
CARBON DIOXIDE, CARBON MONOXIDE, FLUORIDE FUMES AND FILLER METAL OXIDE FUMES

WILL HAZARDOUS POLYMERIZATION OCCUR  
NO

CONDITIONS TO AVOID/POLYMERIZATION  
N/A

IS THE PRODUCT STABLE  
YES, AT ROOM TEMPERATURE

CONDITIONS TO AVOID/STABILITY  
HIGH TEMPERATURE DURING STORAGE

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

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
DIKE UP LARGE SPILLS, USE AN ABSORBENT MATERIAL FOR CLEAN UP. WEAR RUBBER  
SWEEP UP AND PLACE IN CLOSED, LABELED CONTAINER, FOR RECYCLING OR DISPOSAL.  
AVOID HIGH TEMPERATURES.

WASTE DISPOSAL METHOD  
DISPOSAL OF WASTE PRODUCT MAY BE SUBJECT TO FEDERAL, STATE AND LOCAL  
REGULATIONS. USERS SHOULD REVIEW THEIR OWN OPERATIONS IN TERMS OF  
APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS, THEN CONSULT WITH  
APPROPRIATE REGULATORY AGENCIES BEFORE DISCHARGE OF DISPOSING OF THE WASTE  
MATERIAL.

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

VENTILATION

LOCAL EXHAUST	AIR FLOW @100 LFT/MN	MECHANICAL (GEN)	2000 CU FT/MIN
SPECIAL.....	N/A	OTHER.....	N/A

RESPIRATORY PROTECTION  
IN CONFINED SPACE, USE AN AIRLINE RESPIRATOR OR HOSE MAS NIOSH APPROVED OR  
SELF CONTAINED.

PROTECTIVE GLOVES  
HEAT PROTECTIVE RUBBER

OTHER PROTECTIVE EQUIPMENT  
SAFETY GOGGLES OR FULL FACE SHIELD. NORMAL CLOTHING FOR TORCH BRAZING (AVOID  
FLAMMABLE FABRICS).

OTHER ENGINEERING CONTROLS  
EYE BATH AND SAFETY SHOWER.

WORK PRACTICES  
GOOD HOUSEKEEPING PRACTICES

HYGENIC PRACTICES  
WASH HAND BEFORE EATING, DRINKING AND SMOKING. THE DRINKING WATER SUPPLY IS  
PROHIBITED UNDER FEDERAL LAW IN WORKING AREA. DO NOT PERMIT EATING,  
DRINKING, OR USING TOBACCO PRODUCTS WHILE HANDLING THIS MATERIAL.

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE  
N/A

MAINTENANCE PRECAUTIONS  
REFER TO ANSI Z49.1 "SAFETY IN CUTTING AND WELDING"

OTHER PRECAUTIONS  
N/A

OTHER COMMENTS  
THE INFORMATION HEREIN IS GIVEN IN GOOD FAITH, NO WARRANTY EXPRESS OR  
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