

Manufacturer of Precision Tools and Equipment

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MANUFACTURE INFORMATION

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

EMERGENCY PHONE.....: 800-255-3924
PREPARATION/REVISION DATE: 07/29/99

TRADE NAME/SYNONYMS...: ULTRASONIC CLEANER 8 OZ
CHEMICAL NAME/SYNONYMS: HI POWER DEGREASER
CHEMICAL FAMILY.....:
FORMULA.....:
PRODUCT CODE.....: 23.036

***** HAZARDOUS INGREDIENTS *****

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

CHEMICAL/COMMON NAME	CAS-NUMBER	%	PEL-OSHA	TLV-ACGIH
WATER	7732-18-5	60-99	N/I	N/I
2-BUTOXYETHANOL	111-76-2	5	25PPM	25PPM
MONOETHANOLAMINE	141-43-5	1-5	3PPM	3PPM
SODIUM TRIPOLYPHOSPHATE	7758-20-4	1-5	N/I	N/I
SODIUM XYLENE SULFONATE	1300-72-7	1-5	N/I	N/I

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

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

HEALTH EFFECTS (ACUTE AND CHRONIC)

EYES;MAY CAUSE SEVERE IRRITATION,REDNESS,BURNS AND POSSIBLE CORNEL INJURY.
SKIN; MAY CAUSE SEVERE IRRITATION, REDNESS, BURNS. MAY BE ABSORBED THROUGH SKIN WITH PROLONGED OR REPEATED CONTACT.
INGESTION; MAY CAUSE SEVERE IRRITATION OR BURNING OF GASTROINTESTINAL TRACH AND POSSIBL MUCOSAL INJURY.
INHALATION; MAY IRRITATE RESPIRATORY TRACT WHEN USED WITH INADEQUATE VENTIL-
ATION.

PRIMARY ROUTES OF ENTRY

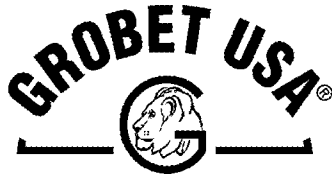
EYES, SKIN, INGESTION, INHALATION.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

NONE KNOWN

EMERGENCY FIRST AID PROCEDURES

EYES;FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES HOLDING EYELIDS OPEN.
SEEK MEDICAL ATTENTION.
SKIN;REMOVE CONTAMINATED AND FOOTWEAR. FLOOD/SHOWER WITH WATER.
INGESTION; RINSE MOUTH WITH WATER. GIVE 2-3 LARGE GLASSES OF WATER. DO NOT



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INDUCE VOMITING. SEEK MEDICAL ATTENTION.
INHALATION; REMOVE TO FRESH AIR AND REST. IN ALL CASES, IF SYMPTOM PERSIST
SEEK MEDICAL ATTENTION.

***** CHEMICAL DATA *****

BOILING POINT (F)	212F	SPECIFIC GRAVITY (WATER=1)	1.046
VAPOR PRESSURE (MMHG)	<37	PERCENT VOLATILE BY VOLUME (%)	N/I
VAPOR DENSITY (AIR=1)	<1.4	EVAP RATE (<WATER = 0.3 =1)	<0.4

SOLUBILITY IN WATER.. COMPLETE

APPEARANCE AND ODOR INFORMATION

PURPLE LIQUID, PINE ODOR

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

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

EXTINGUISHING MEDIA

USE MEDIA PROPER TO PRIMARY CAUSE OF FIRE.

SPECIAL FIRE FIGHTING PROCEDURES

NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS

NONE

***** REACTIVITY DATA *****

INCOMPATIBILITY (MATERIALS TO AVOID)

STRONG ACIDS AND OXIDIZERS.

HAZARDOUS DECOMPOSITION PRODUCTS

NONE KNOWN

WILL HAZARDOUS POLYMERIZATION OCCUR

WILL NOT OCCUR

CONDITIONS TO AVOID/POLYMERIZATION

N/A

IS THE PRODUCT STABLE

YES



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CONDITIONS TO AVOID/STABILITY
N/A

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

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
COLLECT AND RE-USE IF POSSIBLE. DILUTE AND FLUSH TO SEWER WITH LARGE QUANTITIES OF WATER IF PERMITTED BY REGULATORY AUTHORITIES, OR ABSORB ON INERT MATERIAL (SAND, CLAY, ETC) AND PLACE INTO CONTAINER FOR PROPER DISPOSAL. DO NOT ALLOW RUNOFF INTO PUBLIC WATERWAYS.

WASTE DISPOSAL METHOD
DISPOSE OF AS PERMITTED BY ALL FEDERAL, PROVINCIAL, STATE AND LOCAL REGULATORY AUTHORITIES.

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

VENTILATION

LOCAL EXHAUST	ACCEPTABLE	MECHANICAL (GEN)	RECOMMENDED
SPECIAL.....	N/I	OTHER.....	N/I

RESPIRATORY PROTECTION
NONE NORMALLY REQUIRED WITH ADEQUATE ROOM VENTILATION.

PROTECTIVE GLOVES
RUBBER/NEOPRENE

OTHER PROTECTIVE EQUIPMENT
FULL COVER CLOTHING.RUBBER APRON.CHEMICAL SPLASH GOGGLES.

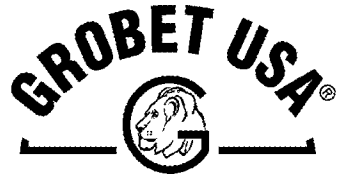
OTHER ENGINEERING CONTROLS
N/I/

WORK PRACTICES
WASH THOROUGHLY AFTER USE

HYGENIC PRACTICES
SEE ABOVE

***** SPECIAL PRECAUTIONS *****

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE
KEEP OUT OF REACH OF CHILDREN. KEEP IN COOL, DRY AREA. FOLLOW GOOD HOUSE-



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KEEPING PRACTICES

MAINTENANCE PRECAUTIONS

N/I

OTHER PRECAUTIONS

N/I

OTHER COMMENTS

N/I