

M A T E R I A L S A F E T Y D A T A S H E E T

HUBBARD-HALL INC.
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DATE: JULY 25, 1990

PRODUCT CODE: ZFG 6013

TRADE NAME: AQUASONIC 201
CHEMICAL NAME: NA
CHEMICAL FAMILY: MILDLY ALKALINE - LIQUID SOAP
PROPRIETARY FORMULATION

NFPA DESIGNATION 704

HAZARD-RATING:	FIRE: 0	
4 - EXTREME		
3 - HIGH	HEALTH: 1	0 REACTIVITY
2 - MODERATE		
1 - SLIGHT		0 SPECIFIC

SECTION II - HAZARDOUS INGREDIENTS

ISOPROPANOL ANHYDROUS 99% (APPROX) 2%, CAS 67-63-0, TLV 400 PPM, REGULATED UNDER TSCA SECTION 4(a), TSCA SECTION 8(a)/40 CFR 712, TSCA SECTION 8(d), TSCA/12 (b), TSCA CHIPS, CAA/111, NIOSH CRITERIA DOCUMENTS, NIOSH CURRENT INTELLIGENCE BULLETINS, SARA SECTION 110, OSHA AIR CONTAMINANTS, ACGIH TLV CHEMICALS, IARC GROUP 3,4 SUBSTANCES, DOT HAZARDOUS MATERIALS, CANADIAN IDL 1% CONC., MA SUBSTANCE LIST, NJ RIGHT-TO-KNOW HAZ SUBSTANCE LIST S, PA HAZARDOUS SUBSTANCE LIST.

* TRIETHANOLAMINE 85% (APPROX) 9%, CAS 102-71-6, REGULATED UNDER TSCA SECTION 8(a)/40 CFR 712, TSCA SECTION 8(d), TSCA CHIPS, NTP TESTING PROGRAM, CANADIAN IDL 1% CONC., MA SUBSTANCE LIST, PA HAZARDOUS SUBSTANCE LIST. NOTE: PRODUCT CONTAINS 15% DIETHANOLAMINE, CAS 111-42-2 WHICH IS REGULATED UNDER SARA TITLE III, SECTION 313.

* THIS SUBSTANCE IS A CHEMICAL SUBJECT TO SARA TITLE III, SECTION 313 REPORTING REQUIREMENTS.

NO OTHER INGREDIENTS IN THIS MIXTURE ARE CONSIDERED TO BE HAZARDOUS ACCORDING TO ANY STATE OR FEDERAL REGULATIONS.

SECTION III - PHYSICAL DATA

SPECIFIC GRAVITY: 1.026
VAPOR PRESSURE: UNKNOWN
PERCENTAGE OF VOLATILITY BY VOLUME: NA

VAPOR DENSITY (AIR =1): UNKNOWN
EVAPORATION RATE (ETHER =1): NA
SOLUBILITY IN WATER: COMPLETE
APPEARANCE AND ODOR: CLEAR, YELLOW VISCOUS LIQUID--SOAP LIKE
ODOR

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (F): NONE
FLAMMABLE LIMITS: NA
EXTINGUISHING MEDIA: WATER, CARBON DIOXIDE, DRY CHEMICAL
SPECIAL FIRE FIGHTING MEDIA: NA
UNUSUAL FIRE AND EXPLOSION HAZARDS: NA

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE (TLV): UNKNOWN
EFFECTS OF OVEREXPOSURE: POSSIBLE IRRITATION TO EYES.
ROUTES OF ENTRY AND EMERGENCY FIRST AID PROCEDURES: WASH EYES
WITH COPIOUS QUANTITIES OF WATER. IF IRRITATION PERSISTS, SEE A
PHYSICIAN. IF INGESTED, GET MEDICAL AID.
CHRONIC EFFECTS: NONE KNOWN.

SECTION VI - REACTIVITY DATA

INSTABILITY: STABLE
INCOMPATIBILITY: OXIDIZING MATERIALS, NITRIC ACID, CHROMIC ACID.
DECOMPOSITION: IF HEATED TO DECOMPOSITION, POSSIBLE TOXIC FUMES
OF SULFUR.
POLYMERIZATION: WILL NOT OCCUR.
CONDITIONS TO AVOID: NA

SECTION VII - SPILL OR LEAK PROCEDURES

SPILL, LEAK OR RELEASE: MAY BE FLUSHED INTO RECEPTACLE FOR
DISPOSAL OR ABSORBED INTO DRY MATERIAL.
WASTE DISPOSAL: DISCHARGE TO A DISPOSAL SYSTEM. IN ORDER TO BE
COMPLETELY INFORMED ON THE LATEST REGULATIONS FOR YOUR AREA,
PLEASE CONTACT THE LOCAL AUTHORITIES.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NONE
VENTILATION: NONE REQUIRED
SPECIAL: NA
OTHER: NA
PROTECTIVE GLOVES: NOT USUALLY REQUIRED
EYE PROTECTION: CHEMICAL SAFETY GLASSES
OTHER PROTECTIVE EQUIPMENT: NONE

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CONTINUED

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE: STORE ABOVE 32F. FREEZING TEMPERATURE IS 25F

OTHER PRECAUTIONS: NONE

SECTION X - TRANSPORTATION REQUIREMENTS

PROPER SHIPPING NAME: NA

HAZARD CLASS: NA

ID NUMBER: NA

OTHER: NA

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