AUGUST 5, 1986

METTLER ELECTRONICS

1333 S. CLAUDINA ST.

ANAHEIM, CA 92805

EMERGENCY PHONE NO.

714-533-2221

MATERIAL SAFETY DATA SHEET

IDENTITY

CHEMICAL NAME: ORGANIC AMID PLUS ETHOXILATED AROMATICS

COMMON NAME: CAVI-CLEAN DETERGENT

CHEMICAL FAMILY: ORGANIC CHEMICAL COMPOUND

MANUFACTURER: MOLECULAR PRODUCTS

3710 FRUITLAND

MAYWOOD, CA 90270

INFORMATION PHONE #: 1-(213)-583-0989

INGREDIENTS

CHEMICAL NAMES CAS #%:

TAP WATER 75.5

DODECYLBENZENE SULFONIC ACID 27176-87-0 >1.0

TRIETHANOLAMINE 012-71-6 >1.0

NONYL PHENOL ETHOXYLATE 9016-45-9 >1.0

COCO DIETHANOL AMIDE 61789-19-3 >1.0

TETRASODIUM ETHYLENEDIAMIDE

TETRACETATE 64-02-8 >1.0

MONOTHANOLAMINE 141-43-5 <1.0

PHYSICAL AND CHEMICAL CHARACTERISTICS

CAVI-CLEAN: CLEAR, LIGHT AMBER VISCOUS LIQUID WITH MILD AMID SOAP ODOR.

VISCOITY = 200-400 CPS/80 DEG. F

BOILING POINT (DEGREES F): >100 DEG. F (BASED ON TBA)

http://www.vwrsp.com/msds/10/112/11238-022.html
SPECIFIC GRAVITY (WATER=1): 1.023 @ 68 DEG. F

VAPOR PRESSURE AT 30 DEG. C: 10 MM HG @ 205 (BASED ON TEA)

WATER SOLUBILITY: SOLUBLE

FIRE & EXPLOSION DATA

FLASH POINT - N/A

AUTOIGNITION TEMP - N/A

FLAMMABLE LIMITS IN AIR - N/A

EXTINGUISHING MEDIA - ANY SUITABLE TO SURROUNDING MATERIALS

UNUSUAL FIRE & EXPLOSION HAZARDS - NONE

PAGE 1

HAZARDOUS REACTIVITY

STABLE

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION - NONE

TARGET ORGANS

EYES, SKIN, GASTRO-INTESTINAL

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

DERMATITIS, CONJUNCTIVITIS

ROUTES OF ENTRY (EXPOSURE) AND EFFECT

ENTRY ROUTES - EYES OR SKIN CONTACT

EYES - EYE CONTACT CAUSES IRRITATION, PROLONGED CONTACT MAY LEAD TO
CONJUNCTIVITIS

SKIN CONTACT - PROLONGED CONTACT MAY CAUSE DRYING AND DERMATITIS

ENTRY ROUTES - INGESTION AND INHALATION

INGESTION - MAY CAUSE NAUSEA AND VOMITING

INHALATION - HIGHLY UNLIKELY IN LIQUID FORM

REPRODUCTIVE HAZARDS

NONE KNOWN

CARCINOGEN INFORMATION

NONE OF THE INGREDIENTS ARE LISTED CARCINOGENS BY THE NATIONAL TOXICOLOGY
PROGRAM, IARC OR OSHA.

http://www.vwrsp.com/msds/10/112/11238-022.html

9/7/2001
EXPOSURE LIMITS

OSHA (PEL) PERMISSIBLE EXPOSURE LIMIT - NONE LISTED

ACEGI (TLV) THRESHOLD LIMIT VALUE - NONE LISTED

OTHER LIMITS - NONE LISTED

FIRST AID PROCEDURES

ANY UNUSUAL SIDE EFFECTS SHOULD BE REPORTED TO A PHYSICIAN

INHALED:

EYE: FLUSH WITH COPIOUS AMOUNTS OF WATER, OCCASIONALLY LIFTING UPPER AND LOWER LIDS. UNTIL NO EVIDENCE OF CHEMICAL REMAINS.

SKIN: FLUSH WITH COPIOUS AMOUNTS OF WATER UNTIL NO EVIDENCE OF CHEMICAL REMAINS.

PAGE 2

INGESTION: MAY CAUSE NAUSEA OR VOMITING. DILUTE BY GIVING WATER OR MILK IMMEDIATELY AND ALLOW VOMITING TO OCCUR. GET MEDICAL ATTENTION IMMEDIATELY.

SPECIAL PROTECTION INFORMATION

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATOR PROTECTION - NOT NEEDED IN AREA WITH NORMAL VENTILATION.

GLOVES - PLASTIC OR RUBBER GLOVES FOR PROLONGED CONTACT.

EYE PROTECTION - GOOGLES RECOMMENDED.

OTHER - NONE REQUIRED.

HANDLING AND STORAGE

DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.

WASH THOROUGHLY AFTER HANDLING, KEEP CONTAINERS CLOSED.

STORE AT AMBIENT TEMPERATURE. AVOID EXPOSURE TO LIGHT.

LEAK OR SPILL PROCEDURE

STOP THE LEAK. EXPOSED SURFACES ARE SLIPPERY. WASH AWAY WITH WATER, OR TAKE UP WITH SAND OR SWEPPING COMPOUND AND PLACE INTO SUITABLE CONTAINERS FOR LATER DISPOSAL.

AQUATIC TOXICITY - RELATIVELY LOW.

WASTE DISPOSAL PROCEDURE

http://www.vwrsp.com/msds/10/112/11238-022.html
DISPOSE OF PRODUCT AND MATERIALS USED IN CLEANING UP SPILLS OR LEAKS IN A MANNER APPROVED FOR THIS MATERIAL.

SHIPPING PROCEDURE

DOT NAME/CLASSIFICATIONS - NONE.

REFERENCES AND ADDITIONAL INFORMATION

1. TEXACO MSDS FOR TRIETHANOLAMINE DATED 10/17/78 BY P. E. BENTLEY.

2. OCCUPATIONAL HEALTH SERVICES, INC. MSDS FOR TEA, REV. 12/4/83 BY JOHN S. BRANSFORD.

3. OCCUPATIONAL HEALTH SERVICES, INC. MSDS FOR MEA, REV. 3/19/86 BY JOHN S. BRANSFORD.

4. LONZA PRODUCT SAFETY SHEET FOR CAROSULF UL-100 OF 3/22/86 BY DR. HENRY E. REICH.

5. OCCUPATIONAL HEALTH SERVICES, INC. MSDS FOR EDTA (CHELON 100) BY JOHN S. BRANSFORD.

6. LONZA MSDS FOR COCO DIETHANOLAMIDE OF 6/16/86.

7. LONZA MSDS FOR NONYL PHENOL ETHOXYLATE OF 12/20/85.

APPROVED BY: PAUL R. KLEIN, PH.D.

PAGE 3 (LAST PAGE)