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EMERGENCY NO. 1-888-660-6737 (INFOTRAC)

SECTION 1. IDENTIFICATION OF PRODUCT

PRODUCT NAME: CASTILE LIQUID SOAP
DATE ISSUED: 02/08/99
SUPERSEDES: 06/04/97
UNISOURCE ITEM #: U17918

SECTION 2. INGREDIENTS

INGREDIENTS	CAS NUMBER	PERCENT	EXPOSURE LIMITS IN AIR	
		OSHA PEL	ACGIH TLV	

STYRENE-ACRYLIC EMULSION POLYMER	PROP.	LT 1	50 PPM	50 PPM
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* THIS (THESE) MATERIAL(S) ARE SUBJECT TO THE REPORTING REQUIREMENTS UNDER
SARA TITLE III, SECTION 313 AND 40 CFR PART 372.

SECTION 3. PHYSICAL DATA

BOILING POINT (F): APPROX. 212
SPECIFIC GRAVITY (CONCENTRATE)(WATER = 1): 1.016
VAPOR PRESSURE (PSIG): N/D
GALLON WEIGHT (LBS/GAL): 8.471
VAPOR DENSITY (AIR = 1): N/D
EVAPORATION RATE (WATER = 1): LT 1
SOLUBILITY IN WATER: MISCIBLE
PERCENT SOLIDS (1 HR. @ 110 C)(BY VOLUME): 14-15
PH RANGE: 10.0-10.5
VISCOSITY (BROOKFIELD SPIN. #3 @ 30 RPM): 1,100 CPS
APPEARANCE/ODOR: OPAQUE, PINK LIQUID/CHERRY FRAGRANCE

SECTION 4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: GT 200 F (CONCENTRATE)
FLAMMABILITY: NON-FLAMMABLE
AUTO-IGNITION TEMP.: N/D
FLAMMABLE LIMITS: LEL = N/D UEL = N/D
EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, FOAM, WATER FOG.
SPECIAL FIRE FIGHTING PROCEDURES: NORMAL FIRE FIGHTING PROCEDURES MAY BE
USED. COOL AND USE CAUTION WHEN APPROACHING OR HANDLING FIRE-EXPOSED
CONTAINERS. USE WATER SPRAY TO COOL CONTAINERS.
UNUSUAL FIRE & EXPLOSION HAZARDS: CONTAINERS MAY BURST IN HEAT.

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SECTION 5. REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: FREEZING. NONE OTHER KNOWN TO UNISOURCE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

MATERIALS TO AVOID: STRONG MINERAL ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: MAY CONSIST OF CO, CO2, AND ORGANIC VAPORS
OF UNKNOWN COMPOSITION.

SECTION 6. SPILL, LEAK AND DISPOSAL PROCEDURES

SMALL SPILLS: DILUTE WITH WATER AND PICK UP WITH MOP AND PAIL OR WET PICK
UP VACUUM.

LARGE SPILLS: DIKE AREA TO CONTAIN SPILL. CLEAN UP USING ABSORBENT
MATERIAL. PLACE ALL CONTAMINATED MATERIAL IN A CLOSED CONTAINER FOR
DISPOSAL.

DISPOSAL: DILUTED PRODUCT MAY BE FLUSHED TO SEWER. UNDILUTED (LIQUID
CONCENTRATE) PRODUCT RECOVERED FROM SPILLS MAY BE SENT TO LICENSED DISPOSAL
FACILITY TO BE DISPOSED OF IN ACCORDANCE WITH FEDERAL/STATE REGULATIONS
AND LOCAL ORDINANCES.

CONTAINER DISPOSAL: LIQUID BULK CONCENTRATE CONTAINERS SHOULD BE TRIPLE RINSED
AND DISCARDED PER LOCAL, STATE AND FEDERAL REGULATIONS IF NOT RECYCLED.

SECTION 7. HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: EYES

OVEREXPOSURE SYMPTOMS:

EYE CONTACT: MILD EYE IRRITATION.

SKIN CONTACT: PROLONGED CONTACT MAY RESULT IN REDNESS AND DERMATITIS.

INHALATION: N/A

INGESTION: ACCIDENTAL INGESTION OF LIQUID CAN CAUSE GASTRIC DISTURBANCES;
NAUSEA AND VOMITING MAY RESULT.

CHRONIC HEALTH HAZARDS: NONE KNOWN TO UNISOURCE

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SECTION 8. EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: IMMEDIATELY FLUSH THE EYE WITH LARGE QUANTITIES OF FRESH, RUNNING WATER FOR A MINIMUM OF 15 MINUTES. HOLD THE EYELIDS APART DURING THE IRRIGATION TO ENSURE FLUSHING OF THE ENTIRE SURFACE OF THE EYELID WITH WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

SKIN CONTACT: N/A

INHALATION: N/A

INGESTION: REQUIRES IMMEDIATE MEDICAL MANAGEMENT. DRINK LARGE AMOUNTS OF MILK OR WATER. VOMITING SHOULD BE INDUCED ONLY ON RECOMMENDATION OF MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION 9. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: N/A. NONE REQUIRED WHEN USED AS DIRECTED.

VENTILATION: NORMAL ROOM VENTILATION SHOULD BE ADEQUATE.

PROTECTIVE GLOVES: N/A

EYE PROTECTION: AVOID CONTACT WITH EYES.

OTHER MEASURES: N/A

SECTION 10. ADDITIONAL PRECAUTIONS

HANDLING AND STORAGE: STORE IN COOL, DRY PLACE. FOLLOW LABEL DIRECTIONS. KEEP CONTAINER CLOSED WHEN NOT IN USE.

SARA TITLE III RATINGS:

ACUTE: YES CHRONIC: NO FIRE: NO PRESSURE RELEASE: NO REACTIVITY: NO

HMIS RATINGS: HEALTH-1 FIRE-0 REACTIVITY-0 PROTECTION-NONE

NFPA RATINGS: HEALTH-1 FIRE-0 REACTIVITY-0 SPECIAL-

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SECTION 11. REGULATORY (OPTIONAL)

HM-181 PROPER SHIPPING NAME (DOT):
PROPER SHIPPING NAME CODE:
UN/NA NUMBER:
PG#:

VOC CONTENT:
THEORETICAL = % () LB/GAL.
TYPICAL ANALYTICAL = % () LBS./GAL.
PHOSPHOROUS: % CONCENTRATE = NONE
DILUTION RANGE: N/A = N/A GMS./GAL.

THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET REPRESENTS THE LATEST DATA AND BEST OPINION AS TO PROPER USE/HANDLING OF THIS PRODUCT UNDER NORMAL CONDITIONS. ANY USE OF THIS PRODUCT OR METHOD OF APPLICATION WHICH IS NOT IN CONFORMANCE WITH THIS DATA SHEET AND THE PRODUCT LABEL DIRECTIONS IS THE RESPONSIBILITY OF THE USER. THIS MATERIAL SAFETY DATA SHEET WAS PREPARED TO COMPLY WITH OSHA HAZARD COMMUNICATION REGULATIONS.

N/D = NOT DETERMINED
N/E = NOT ESTABLISHED
N/A = NOT APPLICABLE