

MATERIAL SAFETY DATA SHEET 3M
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DIVISION: COMMERCIAL CARE DIVISION

TRADE NAME:

3M Brand PEARLIZED HAND SOAP CONCENTRATE (Product No. 55, Twist 'n
 Fill(tm) System)

ID NUMBER/U.P.C.:

70-0710-0953-7 00-48011-26335-4 70-0710-0954-5 00-48011-26334-7

ISSUED: June 07, 2001

SUPERSEDES: May 14, 2001

DOCUMENT: 16-2367-7

1. INGREDIENT	C.A.S. NO.	PERCENT
WATER.....	7732-18-5	30 - 60
1-METHOXY-2-PROPANOL.....	107-98-2	7 - 13
SODIUM MONO-C10-16-ALKYL SULFATES.....	68585-47-7	7 - 13
SODIUM LAURETH SULFATE.....	68585-34-2	5 - 10
POLYETHYLENE GLYCOL.....	25322-68-3	5 - 10
SODIUM CHLORIDE.....	7647-14-5	5 - 10
COCONUT ACID DIETHANOLAMIDE.....	68603-42-9	5 - 10
DIMETHYLTETRADECYLAMINE OXIDE.....	3332-27-2	3 - 7
COCOALKYLDIMETHYL BETAINES.....	68424-94-2	1 - 5
GLYCOL MONOSTEARATE.....	111-60-4	1 - 5
SODIUM LAURYL ETHER SULFATE.....	9004-82-4	1 - 5

IN CASE OF EMERGENCY: THE NUMBERS AT THE TOP OF THIS PAGE PROVIDE 24
 HOUR RESPONSE FROM ANY PHONE FOR ALL EMERGENCIES WITH THIS PRODUCT.
 The components of this product are in compliance with the chemical
 notification requirements of TSCA.

2. PHYSICAL DATA

BOILING POINT:..... N/D
 VAPOR PRESSURE:..... N/D
 VAPOR DENSITY:..... N/D
 EVAPORATION RATE:..... N/D
 SOLUBILITY IN WATER:..... complete
 SPECIFIC GRAVITY:..... 1.05 Water=1
 PERCENT VOLATILE:..... < 45 %

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

2. PHYSICAL DATA (continued)

pH:..... 8.0 - 9.5
VISCOSITY:..... < 200 centipoise
MELTING POINT:..... N/D

APPEARANCE AND ODOR:
Liquid, pearlescent, medium turquoise. Amine odor.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... ca. 150 F
FLAMMABLE LIMITS - LEL:..... N/D
FLAMMABLE LIMITS - UEL:..... N/D
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:
Water spray, Carbon dioxide, Dry chemical, Alcohol-resistant foam,
Universal-type foam

SPECIAL FIRE FIGHTING PROCEDURES:
Wear full protective clothing, including helmet, self-contained,
positive pressure or pressure demand breathing apparatus, bunker coat
and pants, bands around arms, waist and legs, face mask, and
protective covering for exposed areas of the head. For leaks or
spills which have not ignited, water spray can be used to disperse
the flammable vapor and protect personnel attempting to stop the
leak.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
No unusual fire or explosion hazards are anticipated.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 3 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Class II Combustible Liquid

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:
Strong Acids, Strong Oxidizing Agents, Reducing Agents, Sparks and/or
Flames.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

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4. REACTIVITY DATA (continued)

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Oxides of Sulfur.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Observe precautions from other sections. Ventilate area. Contain spill. Cover with absorbent material. Collect spilled material. Clean up residue with water. Place in a closed container.

RECOMMENDED DISPOSAL:

Flush spent solutions and small quantities (less than 5 gal.(19 L)) to a wastewater treatment system. Reduce discharge rate if foaming occurs. For larger quantities: Incinerate in an industrial or commercial facility.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: < 105 gms/liter calculated per CARB title 2 section 94507.
VOC Less H2O & Exempt Solvents: < 160 gms/liter calculated per CARB title 2 section 94507.

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

EPCRA HAZARD CLASS:

FIRE HAZARD: Yes PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: No

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention. Discontinue use if irritation occurs.

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6. SUGGESTED FIRST AID (continued)

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, eye contact with the concentrate is not expected to occur. Avoid eye contact. Wear unvented goggles during operations in which exposure is likely.

SKIN PROTECTION:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, skin contact with the concentrate is not expected to occur. Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: neoprene.

RECOMMENDED VENTILATION:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, special ventilation is not required. Use in a well-ventilated area. Use with adequate dilution ventilation.

RESPIRATORY PROTECTION:

NOTE: When used as directed and diluted and dispensed with a TWIST'n FILL (tm) Chemical Dispenser, respiratory protection is not required. Avoid breathing of airborne material.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Keep container in well-ventilated area. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition.

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 7. PRECAUTIONARY INFORMATION (continued)

OTHER PRECAUTIONARY INFORMATION:

This product is not intended to be used without prior dilution as specified on the product label.

HMIS HAZARD RATINGS: HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0
 PERSONAL PROTECTION: X (See precautions, section 7.)

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
WATER.....	NONE	NONE	NONE	NONE	
1-METHOXY-2-PROPANOL.....	100	PPM	TWA	ACGIH	
1-METHOXY-2-PROPANOL.....	150	PPM	STEL	ACGIH	
1-METHOXY-2-PROPANOL.....	100	PPM	TWA	OSHA	
1-METHOXY-2-PROPANOL.....	150	PPM	STEL	OSHA	
SODIUM MONO-C10-16-ALKYL SULFATES....	NONE	NONE	NONE	NONE	
SODIUM LAURETH SULFATE.....	NONE	NONE	NONE	NONE	
POLYETHYLENE GLYCOL.....	10	MG/M3	TWA	AIHA	
		AS PARTICULATE			
SODIUM CHLORIDE.....	NONE	NONE	NONE	NONE	
COCONUT ACID DIETHANOLAMIDE.....	NONE	NONE	NONE	NONE	
DIMETHYLTETRADECYLAMINE OXIDE.....	NONE	NONE	NONE	NONE	
COCOALKYLDIMETHYL BETAINES.....	NONE	NONE	NONE	NONE	
GLYCOL MONOSTEARATE.....	10	MG/M3	TWA	ACGIH	
		AS TOTAL DUST			
SODIUM LAURYL ETHER SULFATE.....	NONE	NONE	NONE	NONE	

* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level Guideline
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

 8. HEALTH HAZARD DATA

EYE CONTACT:

Severe Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, cloudy appearance of the cornea, impaired vision and possible permanently impaired vision.

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8. HEALTH HAZARD DATA (continued)

SKIN CONTACT:

Moderate Skin Irritation (after prolonged or repeated contact):
signs/symptoms can include redness, swelling, itching, and dryness.

INHALATION:

Single overexposure, above recommended guidelines, may cause:

Central Nervous System Depression: signs/symptoms can include
headache, dizziness, drowsiness, incoordination, slowed reaction
time, slurred speech, giddiness and unconsciousness.

Irritation (upper respiratory): signs/symptoms can include
soreness of the nose and throat, coughing and sneezing.

IF SWALLOWED:

Irritation of Gastrointestinal Tissues: signs/symptoms can include
pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and
blood in feces.

Central Nervous System Depression: signs/symptoms can include
headache, dizziness, drowsiness, muscular weakness, incoordination,
slowed reaction time, fatigue, blurred vision, slurred speech,
giddiness, tremors and convulsions.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE May 14, 2001	ISSUE
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