

MATERIAL SAFETY DATA SHEET

This MSDS being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this material. Please read the information before attempting to use the material. You must also provide this information to those people at your company whose responsibility it is to comply with Federal and State "Right to Know" regulations. Also make sure this information is made available and is disseminated to your employees before use of product. This information should be kept on file and made available to any employee who requests it. It is your obligation to comply with the act.

HEALTH	/	1
FIRE	/	0
REACTIVITY	/	0

NFPA HAZARD RATING:
4=Extreme
3=High
2=Moderate
1=Slight
0=Insignificant

Section I

IDENTITY (As Used on Label and List)

ANTI-BACTERIAL HAND SOAP-(NO FRAG)

ITEM NO. 19-170

Manufactured By:

CHEM-CRAFTERS, INC.
601 E. 1st St.
Casa Grande, AZ 85222

Phone: (520)-836-2388

May 12, 2007

Date Prepared

Santiago Luna

Signature of Preparer:

Section II - Hazardous Ingredients/Identity Information:

Hazardous Components - Specific Chemical Identity:

Common Name(s):

OSHA PEL

ACGIH TLV

Other Limits Recommended

CAS Number

%

Proprietary Surfactant Blend
4-chloro-3, 5-dimethyl phenol

Not Established
Not Established

Proprietary Mixture
88-04-0

<15
<1

All ingredients are reported and included on the TSCA Inventory

This product does not contain substance(s) subject to Section 313 of SARA Title III and 40 CFR 372

Section III - Physical / Chemical Characteristics:

Boiling Point / >212°F / Specific Gravity (H₂O=1) / 1.025

Vapor Pressure (mm Hg) / 18 mm / Melting Point / below 32°F

Vapor Density (Air=1) / <1 / Evaporation Rate (Butyl Acetate =1) / <1

Solubility in Water SOLUBLE

Appearance and Odor / Clear to amber, medium viscosity liquid.

Section IV - Fire and Explosion Hazard Data:

Flash Point (Method Used) NOT COMBUSTIBLE / Flammable Limits: LEL NA / UEL NA

Extinguishing Media: Appropriate to the surrounding fire

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards: None Known

Section V - Reactivity Data

Stability	Unstable	X	Conditions to Avoid: _____ _____
	Stable		

Incompatibility (Materials to Avoid): None Known
Hazardous Decomposition or Byproducts: None Known

Hazardous Polymerization	May Occur	X	Conditions to Avoid: _____ _____
	Not Occur		

Section VI - Health Hazard Data:

Route(s) of Entry: Inhalation? X Skin? X Ingestion? X Eyes? X

Health Hazards (Acute and Chronic) Eye contact may cause irritation. Repeated or prolonged skin contact may cause irritation. If swallowed may cause discomfort. Excessive inhalation of vapors or spray mist may cause slight irritation.

Carcinogenicity: Not listed NTP? IARC Monographs? OSHA Registered?

Signs and Symptoms of Exposure: As noted above.

Medical Conditions
Generally Aggravated by Exposure: NONE KNOWN

Emergency and First Aid Procedures: In case of eye contact, flush eyes (hold eyelids apart) with running water for 15 minutes. Obtain medical aid. For skin contact, wash with water. If irritation persists, obtain medical aid. Remove contaminated clothing and launder before reuse. If swallowed in large amounts, immediately consult a physician. For excessive vapor or spray mist inhalation, move affected subject to fresh air. Consult a physician.

Section VII - Precautions for Safe Handling and Use:

Steps to be Taken in Case Material is Released or Spilled: Wear protective clothing. Contain the spill. Return to suitable container. Hold for disposal.

Waste Disposal Method: In accordance with all federal, state and local ordinances.

Precautions to be Taken in Handling and Storing: Normal care in handling and storage.

Other Precautions: Keep out of reach of children.

Section VIII - Control Measures

Respiratory Protection (Specify Type): Not required

Ventilation	Local Exhaust: <u>NOT REQUIRED</u>	Special: <u>NOT REQUIRED</u>
	Mechanical: <u>SUFFICIENT</u>	Other: <u>NOT REQUIRED</u>

Protective Gloves: <u>Not required</u>	Eye Protection: <u>Not required</u>
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Other Protective Clothing or Equipment: <u>AS REQUIRED</u>
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Work/Hygienic Practices: <u>AVOID EYE CONTACT. AVOID SLIPS / FALLS.</u>

MATERIAL SAFETY DATA SHEET

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HEALTH	/	1
FIRE	/	0
REACTIVITY	/	0

NFPA
HAZARD RATING:
4=Extreme
3=High
2=Moderate
1=Slight
0=Insignificant

Section I

IDENTIFY (As Used on Label and List)
HAND SOAP (NO FRAG / NO COLOR)
ITEM NO. 19-169
Manufactured By: CHEM-CRAFTERS, INC. 601 E. 1 ST St Casa Grande, AZ 85222

Phone: (520)-838-2388
May 12, 2007
Date Prepared
Santiago Luna
Signature of Preparer:

Section II - Hazardous Ingredients/Identify Information:

Hazardous Components - Specific Chemical Identity: Common Name(s):	OSHA PEL	ACGIH TLV	Other Limits Recommended	CAS Number	%
Proprietary Surfactant Blend	-----	Not Established	-----	Proprietary Mixture	<15

All ingredients are reported and included on the TSCA Inventory

This product does not contain substance(s) subject to Section 313 of SARA Title III and 40 CFR 372

Section III - Physical / Chemical Characteristics:

Boiling Point / >212°F / Specific Gravity (H₂O=1) / 1.025
Vapor Pressure (mm Hg) / 14 mm / Melting Point / below 32°F
Vapor Density (Air=1) / <1 / Evaporation Rate (Butyl Acetate=1) / <1
Solubility in Water / SOLUBLE
Appearance and Odor / Clear to amber, medium viscosity liquid

Section IV - Fire and Explosion Hazard Data:

Flash Point (Method Used) / NOT COMBUSTIBLE / Flammable Limits: / LEL N.A. / UEL N.A.
Extinguishing Media: / Appropriate to the surrounding fire
Special Fire Fighting Procedures: / None
Unusual Fire and Explosion Hazards: / None Known

Section V - Reactivity Data

Stability

Unstable	
Stable	X

Conditions to Avoid:

Incompatibility (Materials to Avoid): None Known

Hazardous Decomposition or Byproducts: None Known

Hazardous Polymerization

May Occur

Not Occur

X

Conditions to Avoid:

Section VI - Health Hazard Data:

Route(s) of Entry:

Inhalation?

X

Skin?

X

Ingestion?

X

Eyes?

X

Health Hazards (Acute and Chronic): Eye contact may cause irritation. Repeated or prolonged skin contact may cause irritation. If swallowed, may cause discomfort. Extensive inhalation of vapors or spray mist may cause slight irritation.

Carcinogenicity:

NTP?

IARC Monographs?

OSHA Regulated?

Not listed

Signs and Symptoms of Exposure: As noted above

Medical Conditions

Generally Aggravated by Exposure: NONE KNOWN

Emergency and First Aid Procedures: In case of eye contact, flush eyes (hold eyelids open) with running water for 15 minutes. Obtain medical aid. For skin contact, wash with water. If irritation persists, obtain medical aid. Remove contaminated clothing and launder before reuse. If swallowed in large amounts, immediately contact a physician. For excessive vapor or spray mist inhalation, move affected subject to fresh air. Consult a physician.

Section VII - Precautions for Safe Handling and Use:

Steps to be Taken in Case Material is Released or Spilled: Wear protective clothing. Contain the spill. Return to suitable container. Hold for disposal.

Waste Disposal Method: In accordance with all federal, state and local ordinances.

Precautions to be Taken in Handling and Storage: Normal care in handling and storage.

Other Precautions: Keep out of reach of children.

Section VIII - Control Measures

Respiratory Protection (Specify Type): Not required

Ventilation	Local Exhaust: NOT REQUIRED	Special: NOT REQUIRED
	Mechanical: SUFFICIENT	Other: NOT REQUIRED

Protective Gloves: Not required

Eye Protection: Not required

Other Protective Clothing or Equipment: AS REQUIRED

Work/Hygienic Practices: AVOID EYE CONTACT. AVOID SLIPS / FALLS.

MSDS MATERIAL SAFETY DATA SHEET

BRADY INDUSTRIES, INC.

7055 LINDELL RD. LAS VEGAS, NV 89118

24-HOUR EMERGENCY TRANSPORTATION RESPONSE
NUMBER 209-581-9576

NFPA 704 DESIGNATION

PRODUCT NAME: BRADY TEMP DET. #2 HEALTH 2
FIRE 1
PRODUCT NUMBER: 2670.185 REACTIVITY 1
PPE
CHEMICAL FAMILY: Alkaline Cleaner

SECTION I-HAZARDOUS INGREDIENTS OF MIXTURES

CAS #	1310-73-2	37971-36-1
CHEMICAL NAME	Sodium hydroxide	Proprietary Trade Secret
% By Wt	<29	<8%
OSHA/PEL	2 mg/m ³	n/a
ACGIH/TLV	2 mg/m ³ ceiling	n/a
OTHER		n/a

CERCLA RQ: 6000 lbs

SARA III: Acute Health Hazard

SECTION II-PHYSICAL DATA

Boiling Point: IBP 218° Fahrenheit
Vapor Density (Air=1): N/A
% Volatiles by Volume: 65%
Specific Gravity: <1.22
Vapor Pressure: N/A
Solubility in Water (% by Wt.): Complete
Evaporation Rate: N/A
pH of Concentrate: >12

Appearance and Odor: Red/Orange liquid with no odor.

SECTION III-FIRE AND EXPLOSION DATA

Flash Point: N/A
Hazardous Polymerization: Will Occur X Will Not Occur
Flammable Limits: N/A
Lower Explosive Limits: N/A
Upper Explosive Limits: N/A
Extinguishing Media: Water spray, carbon dioxide, foam, or dry chemical.
Special Firefighting Procedures: Use self-contained breathing apparatus. When heated to decomposition it will give off hazardous gases.
Unusual Fire and Explosion Hazards: May combine with various metals (at decomposition) to form further flammable mixtures.
Conditions to Avoid: Being an alkaline product, do not store with or near acidic products.

Updated 3/20/08

SECTION IV-HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: (Refer to Section II)

EFFECTS OF OVEREXPOSURE: Acutely corrosive substance. Very corrosive to tissues.

Routes of exposure are eyes, skin, ingestion, and breathing heated vapors. Dust or mist can cause irritant dermatitis.

EMERGENCY AND FIRST AID PROCEDURE:

SKIN: Immediately wash affected area thoroughly with soap and water for 15 minutes. Remove any contaminated clothing and launder before reuse.

EYES: Flush eyes with copious amounts of water, making sure eye lids are kept open. Seek medical attention if irritation persists. Seek medical attention immediately.

INGESTION: Have victim drink several glasses of water or milk. Do not force an unconscious person to drink anything by mouth. DO NOT INDUCE VOMITING. Contact a physician or poison control center.

INHALATION: Not a respiratory irritant. However, heated vapors containing this product may be irritating. Remove from area to fresh air.

SECTION V-REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: Strong acids, heat, contact with iron or aluminum or copper metals. Avoid contact with organic contaminants.

INCOMPATIBILITY: Avoid strong oxidizing agents, soft metals, acids, heat.

HAZARDOUS DECOMPOSITION: Oxides of sodium and other earth elements.

SECTION VI-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills (less than 1 gallon) may be flushed, after neutralization to pH 6-9 with citric acid or vinegar, to an approved sewer line (with large amounts of water). Larger spills should be absorbed and collected for disposal, or collected with an industrial vacuum truck.

WASTE DISPOSAL METHOD: Dispose with in accordance with all federal, state, and local regulations. Do not release the concentrated or diluted product directly into storm drains, or undedicated surface or groundwater supplies. This product is environmentally biodegradable under all conditions associated with normal use.

SECTION VII-PROTECTIVE EQUIPMENT

VENTILATION: Forced air, local exhaust, or open air is adequate.

PERSONAL PROTECTIVE EQUIPMENT: Wear at least chemical resistant gloves and eye protection, face shield, and chemical resistant garments when handling, moving or using this product.

WORK/HYGENIC PRACTICES: Handle the concentrated product with extreme care.

SECTION VIII-REGULATORY INFORMATION

See Section I.

SECTION IX-STORAGE AND HANDLING

Do not contaminate water, food, or feed by storage or disposal. Keep product in tightly closed container when not in use. Do not drop, roll, or skid drum. Store in a cool, dry, well ventilated area away from heat or open flame. Triple rinse container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

SECTION X-GENERAL PRECAUTIONS

DO NOT REUSE CONTAINER. Wash thoroughly after handling. For industrial or commercial use only. Keep away from children and animals.

CG 7006