

DEPARTMENT OF HAWAIIAN HOME LANDS
STATE OF HAWAII

JUNE 6, 2012

ADDENDUM NO. 2

TO

PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND

FOR

CLEARING AND CLEANING MAKUU WELL NO. 3088-01

IFB NO.: IFB-12-HHL-009

HALONA, PUNA, ISLAND OF HAWAII, HAWAII

NOTICE TO ALL PROSPECTIVE BIDDERS

This addendum is hereby made a part of the PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND for the CLEARING AND CLEANING MAKUU WELL NO. 3088-01, HALONA, PUNA, ISLAND OF HAWAII, HAWAII, and it shall amend the said contract documents as detailed within this Addendum document.

APPROVED:

Jobie M. K. Masagatani, Chairman Designate
Hawaiian Homes Commission

Date JUNE 6, 2012

Please detach, execute, and return immediately, the receipt below, to the Department of Hawaiian Home Lands, P. O. Box 1879, Honolulu, HI 96805, or transmit facsimile to (808) 620-9299.

Receipt of Addendum No. 2 for the CLEARING AND CLEANING MAKUU WELL NO. 3088-01, HALONA, PUNA, ISLAND OF HAWAII, HAWAII, is hereby acknowledged.

Signed _____

Title _____

Firm _____

Date _____

ADDENDUM NO. 2

JUNE 6, 2012

TO

PLANS, BID FORM, SPECIFICATIONS, CONTRACT AND BOND

FOR

CLEARING AND CLEANING MAKUU WELL NO. 3088-01

HALONA, PUNA, ISLAND OF HAWAII, HAWAII

IFB NO.: IFB-12-HHL-009

ITEM NO. 1 ACCEPTANCE OF THE USE OF CHEMEX CHEMICALS F-603 FOAM SOAP.

1. DHHL accepts the use of Chemex Chemicals F-603 Foam Soap as meeting the intent of Section II.2 - Drilling Medium, in lieu of NSF approved drilling foam. Its use shall be in accordance with the attached "F-603 Foam Soap Material Safety Data Sheet".

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Derrick's Well Drilling

808-982-7698

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F - 603 FOAM SOAP MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION: COMPANY INFORMATION:

F - 603 FOAM SOAP
CHEMEX CHEMICALS, INC.
1903 VIRGINIA AVE.
BAKERSFIELD, CA 93307
FAX: (661) 864 - 1607
NOV. 2011

PHONE: (661) 864 - 1600
DATE REVISED:

2. HAZARDOUS INGREDIENTS

F - 603 FOAM SOAP (alpha olefin sulfonate 40%) is Biodegradable water based product that contains no ingredients considered hazardous. This product under the generic name (alpha olefin sulfonate) has U.S.D.A and F.D.A. approval for food grade applications. (CFR 178.3400) THIS PRODUCT IS A CONCENTRATED SOAP, AND IN THAT FORM IT CAN BE IRRITATING TO SKIN AND EYES, USE CAUTION WHEN HANDLING. WASH CONTACTED AREAS WITH WATER UNTIL IRRITATION IS ALLEVIATED.

NFPA RATINGS HEALTH - (1) FLAMMABILITY - (0) REACTIVITY - (0)

3. PHYSICAL PROPERTIES

Vapor Density (air = 1): 1
Specific Gravity (water = 1): 1.067
Boiling Point or Range, ° F: > 212
Vapor Pressure, mm Hg @ 68 °F: 1
Activity: 38 - 40 %
Density, 77° F: 8.9 PPG

Melting Point or Range: ° F N/A
Solubility in Water: Very soluble
Evaporation Rate (butyl acetate=1) < BuAc
Appearance: Light Amber Liquid mild odor
PH (5% aqueous solution): 7.7

4. FIRE AND EXPLOSION

Flash Point: > 201 °F

Auto Ignition Temp.: N/A

Flammable Limits: Product may become combustible with extreme high temp.

Fire Fighting Media and Instruction: **Small Fire:** Use Dry Chemical Powder

Large Fire: Use water spray, fog or Foam

Do Not Use Water Jet

Protective Clothing (fire): Use approved / certified respirator

- **Airtight closed containers, may burst or rupture when exposed to extreme heat**

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5. FIRST AID MEASURES

Warning Statement: WARNING! EYE and SKIN IRRITANT, MAY BE HARMFUL IF INGESTED, MAY CAUSE NAUSEA, DIARRHEA, or ABDOMINAL CRAMPS

Eye Contact: Check for and remove any contact lenses. Flush eyes with fresh water for least 20 minutes, lifting upper and lower lids until irritation stops. If irritation persists, contact a physician.

Skin Contact: Wash with fresh water until irritation stops, then wash with soap and water again. If irritation or rash develops, contact a physician.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. Contact a physician.

Swallowed: Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep head below hips to prevent aspiration into lungs. If large quantities of this material are swallowed, contact a physician.

Medical conditions aggravated

by overexposure: Repeated or prolonged exposure is not known to aggravate any medical conditions. This product does not contain any ingredient designated by IARC, NTP, ACGIH, or OSHA as probable or suspected human carcinogens

6. ACCIDENTAL RELEASE MEASURES

Small spill or leak: Dilute material with water and mop up, or absorb with inert dry material then place in a appropriate waste container. Finish cleaning by spreading water on contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on contaminated surface and allow evacuating through the sanitary system.

7. ENGINEERING CONTROLS/PERSONAL PROTECTION

INTRODUCTORY REMARKS: This product is basically a 40% active concentrated soap, at dilution ratios required for proper foam strength usually around 1%, 2% maximum, most or any harmful effects are greatly diminished. That being, ALL CHEMICAL COMPOUNDS SHOULD BE HANDLED WITH CAUTION, AND KEPT AWAY CHILDREN.

Exposure Guidelines: No exposure limits were found for this product or any of its ingredients.

Engineering Controls: Where engineering controls are indicated by use conditions or a potential for excessive exposure exist, the following traditional exposure control techniques may be used effectively to minimize employee exposures: General area dilution / exhaust ventilation.

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Respiratory Protection: When respirators are required, select NIOSH / MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and / or industrial recommendations.

For reasonably foreseeable industrial end uses of this material, respiratory protection should not be necessary.

Eye / Face Protection: Eye and face protection requirements will very dependent upon work environment conditions and material handling practices. Eye contact should be prevented through the use of safety glasses with side shields, face shields, or chemical splash goggles. Safety glasses should be used for minimum protection. An emergency eye wash station should be readily accessible to the general work area.

Skin Protection: Skin contact should be minimized through the use of gloves and suitable long-sleeved clothing. (i , e , shirts and pants) Consideration should be given to both durability as well as permeation resistance.

Work Practice Controls: Personal hygiene is an important work practice exposure control measure, and the following general measures should be taken when working with this material.

- 1) Do not store, use, and or consume foods, beverages, and tobacco products in areas where this material is stored.
- 2) Wash hands and face carefully before eating, drinking, using tobacco, or using the toilet.
- 3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

8. HANDLING AND STORAGE

Handling: Avoid contact with eyes. Do not ingest. Wash thoroughly after handling.

Storage: Should be stored at temperatures between 50 and 100 ° F

9. WASTE DISPOSAL METHOD

EPA: This product is not considered Hazardous Waste.

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this M.S.D.S. inaccurate or otherwise inappropriate. Please be advised that the State and Local requirement for disposal may be otherwise different from Federal Laws and regulations. Consult State and Local regulations regarding the proper disposal of your waste stream material.

10. STABILITY AND REACTIVITY

STABILITY: This product is stable

Incompatibility: Reactive with OXIDIZING AGENTS

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Hazardous Decomposition Products: These products would be halogenated compounds, hydrogen chloride

Hazardous Polymerization: Will Not Occur.

11. COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS#	% BY Weight
Sulfonic acids, c 14 - 16 - alkane hydroxyl And c 14 - 16 - alkene, sodium salts	68439-57-6	40 %
Water	7732-18-5	58 %
Sodium chloride	7647-14-5	1 %
Sodium sulfate	7757-82-6	1 %

12. REGULATORY INFORMATION

Ecological: This material totally Biodegrades under aerobic conditions of secondary wastewater treatment systems. This material has toxicity LC50 values for fish in the 0.3 mg/L to 21 mg.L range

TSCA Status: All chemicals contained in this product are on the TSCA chemical substance inventory.

CERCLA: There are no components present in this product at a level that could require reporting.

Volatile Organic Compounds: None

SARA Title III: Sect. 302,304,311,312,313 - None

13. TRANSPORTATION INFORMATION

D.O.T. NOT REGULATED LIQUID
WASHING, SCOURING, CLEANING COMPOUND

DISCLAIMER Some of the information presented and conclusions drawn herein, are from sources other than direct test data on this product itself. The information in this M>S>D>S> was obtained from sources believed to be reliable, however the information is provided without warranty, expressed or implied regarding its correctness. The conditions or methods of handling, storage, use, and disposal of this material are beyond our control, and may be beyond our knowledge. For this, and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of, or in any way connected with the handling, storage, use, and disposal of this product. This M>S>D>S> was prepared and is for use for this product only. If this product is used as a component in additional mixtures or products, the information may not be applicable. This M.S.D.S., has been prepared in accordance with OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1200)