SECTION 1. Company Identification

MANUFACTURER’S NAME: GOLIATH ADVANCED BLENDING

ADDRESS: 5230 SE Loop, Forest Hill, TX 76140

Date Prepared: 05-08-2013

SECTION 2. Hazardous Ingredients/Identity Information

Hazardous Component: Sodium Fluorosilicate

CAS# 16893-85-9

98%< 2.5mg/M^3

SECTION 3. Hazardous Information

Immediate (Acute) Health: Yes

Chronic Health: Yes

Delayed (Chronic) Health: Yes

Fire Hazard: No

Reactive Hazard: Yes

Sudden Release of Pressure: No

Ceiling Limit = Ceiling Limit (15 Minutes) OSHA = Occupational Safety and Health Administration

N/E-Not Estimated

N/A-Not Applicable

N/D-Not Determined

MSDS LEGEND:

CAS = Chemical Abstracts Service Registry Number

TLV = Threshold Limit Value (ACGIH)


SECTION 4. Physical Characteristics

Boiling Point: NA

Specific Gravity (H2O + 1): NA

Vapor Pressure (mm Hg): NA

Melting Point: NA

Vapor Density (Air =1): NA

Evaporation Rate (Butyl Acetate =1): NA

Solubility In Water: 65g/100g@$63F

Appearance & Odor: White powder with no odor.

Bulk Density: 85-90 lb/ft^3

SECTION 5. Fire & Explosion & Hazard Data

Flash Point (Method Used): NA

Flammable Limits NA

LEL: NA

UEL: NA

Extinguishing Media: Material

Will not burn.

In or near fires should be cooled with a water spray or fog. A self-contained breathing apparatus operating in the positive pressure mode and full firefighting gear should be warn for combating fires Special Fire Fighting Procedures: Product presents no unusual fire hazard and requires no special procedures. Unusual Fire and Explosion Hazards: Highly toxic Na2O, HF, and F are formed in a fire.

SECTION 6. Reactivity Data

Stability: Stable

Conditions to Avoid: Strong Alkalis, alkali metals

Health Hazard: 3

Fire Hazard: 0

Reactivity: 0

SECTION 7. Health Hazard Data

Routes of Entry:

Eyes X

Inhalation X

Skin X

Ingestion X

Health hazard (Acute & Chronic)

Large doses can cause nausea, vomiting, diarrhea, abdominal burning, and cramp-like pains. Circulatory, respiratory, nervous complaints, and skin rashes may occur. Carcinogenicity: None NTP IARC Monographs OSHA Regulated

SECTION 8. First Aid Measures

Ingestion: Seek Medical Attention Immediately. Give large quantities of water if patient is conscious. Do not induce vomiting unless directed by licensed medical personnel. Advise medical personnel of possible fluoride exposure Skin: Immediately wash area with soap or mild detergent and water. If chemical soaks through clothing, remove clothing and wash. If irritation persists after washing, seek medical attention.

Eyes: Immediately flush with plenty of water for at least 15 minutes. Get medical attention as soon as possible. If contact persists, consult a licensed medical professional. Advise medical personnel of possible fluoride exposure.

SECTION 9. Precautions for Safe Handling & Use

Steps to be taken in case material is released or spilled: If spilled, steps should be taken to contain spill. Clean area of spill immediately. Follow protective measures provided under Control Measures in Section 10. Precautions to be taken in handling or storing: For best product performance store in cool, dry area. Prevent from freezing. Other Precautions: Keep out of the reach of children.

SECTION 10. Control Measures

Respiratory Protection (Specify Type): Single use dust respirator Ventilation: Local Exhaust: NA Special: NA Mechanical (General): NA Other: NA

Protective Gloves: Required Eye Protection: Required

SECTION 11. Toxicological Information

The acute lethal oral toxicity for rats is approximately 125mg per kg of body weight. This is equivalent to approximately 6.5 grams per kilogram of weight. For the average human, chronic bony fluorosis is a very rare condition and is not expected to develop if exposures are maintained below mandated or recommended exposure limits.

SECTION 12. Ecological Information

There is no data available for this product.

SECTION 13. Disposal Considerations

Disposal of all waste and contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations.

SECTION 14. Transportation Information

UN 2674, Sodium Fluorosilicate, 6.1, PGII

SECTION 15. Regulatory Information

We request that you make all information in this Material Safety Data Sheet available to all employees.

SARA TITLE III HAZARD CATEGORIES: If the word “yes” appears next to any category, this product may be reportable by you under the requirements of 40 CFR 370. Please consult those regulations for details.

SARA/OSHA Regulated: Immediate (Acute) Health: Yes Delayed (Chronic) Health: Yes Fire Hazard: No Reactive Hazard: Yes Sudden Release of Pressure: No

HMS HAZARD RATINGS: Health Hazard: 3 Fire Hazard: 0 Reactivity: 0

INTERNATIONAL REGULATIONS: Consult the regulations of the importing country.

SECTION 16. Other Information

MDS LEGEND: CAS = Chemical Abstracts Service Registry Number

Ceiling Limit = Ceiling Limit (15 Minutes) OSHA = Occupational Safety and Health Administration

TLV = Threshold Limit Value (ACGIH)

ACGIH = American Conference of Governmental Industrial Hygienists

IMPORTANT: The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the user. No suggestions for use are intended as, and nothing herein shall be construed as a recommendation to infringe any existing patents or violate any federal, state, or local laws, rules, regulations or ordinances.