

## MATERIAL SAFETY DATA SHEET

DATE OF PREPARATION - 01/01/2013

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INFORMATION PHONE NUMBER +1337.984.0471

### SECTION I - PRODUCT IDENTIFICATION

#### **PRODUCT NAME – PRO BLEND®**

SUPPLIER NAME – M&D INDUSTRIES OF LOUISIANA, INC.

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CHEMICAL FAMILY - Aluminum Silicate + Proprietary Additives

FORMULA - PROPRIETARY BLEND

PACKAGE SIZE - 50 # SACKS

APPLICATION - LOST CIRCULATION ADDITIVE, TORQUE & DRAG ADDITIVE, HIGH PRESSURE HIGH TEMPERATURE ADDITIVE, SHALE INHIBITOR

### SECTION II - HAZARDOUS INGREDIENTS

MATERIAL OR COMPONENT - None

### SECTION III - PHYSICAL DATA

BOILING POINT - N/A

SPECIFIC GRAVITY - 2.4

VAPOR PRESSURE - N/A

VOLATILE VOLUME - 4%-MOISTURE

VAPOR DENSITY - N/A

EVAPORATION RATE - N/A

SOLUBILITY IN H2O - 99.9% INSOLUABLE

ODOR - NONE APPARENT

COLOR - GRAY/BLACK POWDER

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

PRO BLEND IS NOT FLAMMABLE OR COMBUSTIBLE

FLASH POINT (METHOD USED) - NA (OPEN CUP)

AUTOIGNITION TEMPERATURE - N/A

FLAMMABLE LIMITS BY AIR (% BY VOLUME): LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA - WATER

SPECIAL FIREFIGHTING PROCEDURES - NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS - NONE

**SECTION V - REACTIVITY DATA**

STABILITY - STABLE

CONDITION TO AVOID - NONE

INCOMPATIBILITY (MATERIALS TO AVOID) - NONE

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS - NONE

HAZARDOUS POLYMERIZATION - WILL NOT OCCUR

**SECTION VI - HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE: Treat as inert or nuisance particulate: OSHA TLV of 15 mg/M3 of air inhalation of excessive concentrations of dust may be irritating to nose and throat, long term inhalation could cause lung damage or cancer because of aluminum silicate.

EXCESSIVE SKIN CONTACT: Flush with soap and water

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: INHALATION OF DUST MAY CAUSE SNEEZING

EMERGENCY AND FIRST AID PROCEDURES: FLUSH ALL CONTACTED AREAS WITH WATER. IF IRRITATION PERSISTS, CONTACT PHYSICIAN

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SWEEP UP, NORMAL HOUSEKEEPING. NO NEUTRALIZING CHEMICALS REQUIRED. IF PRACTICLE RECLAIM AND RECYCLE IF POSSIBLE.

WASTE DISPOSAL METHOD: DISPOSE IN PERMITTED INDUSTRIAL LANDFILL.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN DRY AREA.

AVOID INHALATION OF DUST. OTHER PRECAUTIONS: STORE SEPARATE FROM FLAMMABLE MATERIALS

**SECTION VIII - CONTROL MEASURES**

RESPIRATORY PROTECTION: SUGGEST USE A NIOSH/MESA APPROVED DUST MASK.

VENTILATION: 10 CHANGES PER HOUR SUGGESTED

PROTECTIVE GLOVES: SUGGEST PLASTIC or RUBBER

EYE PROTECTION: SUGGEST GOGGLES OR OSHA APPROVED SAFETY GLASSES

OTHER PROTECTIVE EQUIPMENT - EYE WASH

WORK/HYGIENIC PRACTICES: NORMAL PRECAUTIONS FOR HANDLING CHEMICALS SHOULD BE OBSERVED.

**SECTION IX - DEPARTMENT OF TRANSPORTATION**

DOT HAZARDOUS CLASSIFICATION: NONE - NO SARA TITLE III CHEMICALS

PROPER SHIPPING NAME - PRO BLEND®

HAZARD CLASS: NON-HAZARDOUS

N.O.S. DESCRIPTION (FOR EXPORT ONLY): N/A

EXCEPTIONS AND PACKAGING REQUIREMENTS: NONE

MAXIMUM QUANTITY IN ONE PACKAGE: PASSENGER AIRCRAFT - N/A  
CARGO AIRCRAFT

**PREAMBLE**

ALL THE RECOMMENDATIONS AND SUGGESTIONS HEREIN CONCERNING OUR PRODUCT ARE BASED UPON TESTS AND DATA BELIEVED TO BE RELIABLE, HOWEVER, IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SAFETY, TOXICITY, AND SUITABILITY FOR HIS OWN USE OF THE PRODUCT DESCRIBED HEREIN. SINCE THE ACTUAL USE BY OTHERS IS BEYOND OUR CONTROL, NO GUARANTEE, EXPRESSED OR IMPLIED, IS MADE BY M&D INDUSTRIES OF LA, INC. AS TO THE EFFECTS OF SUCH USE, THE RESULTS TO BE OBTAINED, OR THE SAFETY AND TOXICITY OF THE PRODUCT NOR DOES M&D INDUSTRIES OF LA, INC. AS, ASSUME ANY LIABILITY ARISING OUT OF USE BY OTHERS. NOR IS THE INFORMATION HEREIN TO BE CONSIDERED AS ABSOLUTELY COMPLETE SINCE ADDITIONAL INFORMATION MAY BE NECESSARY OR DESIRABLE WHEN PARTICULAR OR EXCEPTIONAL CONDITIONS OR CIRCUMSTANCES EXIST OR BECAUSE OF APPLICABLE LAWS OR GOVERNMENT REGULATIONS