

## MATERIAL SAFETY DATA SHEET

Emergency Number: Certs 1-800-552-3787

International 24 hr emergency contact: (703) 527-3887

Date Prepared: 03/14/06 (revision 1)

### SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: FLAME-SHIELD

Trade Name or Synonym: NONE

Product Description: Water based fire retardant

CAS Registry #: None

Chemical Name: None

Company Information: AAM Industries, Inc.

6175 Hickory Flat Hwy., Suite 110-344

Canton, GA 30115 (800) 442-4958

### PRODUCT INFORMATION

Product Code: FLAME-SHIELD

DOT Hazard: ORM-D

UN Number: None

Shipping Name: Consumer Commodity

### SECTION II - HAZARDOUS INFORMATION

<b>Ingredient</b>	<b>% by Weight</b>	<b>CAS No.</b>	<b>Exposure Limit</b>
Hydrocarbon Propellant	5-10	68476-86-8	1000ppm

This product contains the following chemicals subject to reporting under EPCRA Section 313 (40 CFR372). None.

\* ACGIH TLV

\*\* OSHA PEL

\*\*\*OSHA STEL

### SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

APPEARANCE AND ODOR: Clear, colorless to hazy liquid with slight ammonia odor

BOILING POINT: ND

SPECIFIC GRAVITY (H2O=1): 1.2

VAPOR PRESSURE: 46 PSIG

PERCENT VOC BY WT: 6.0%

VAPOR DENSITY (AIR=1): >1

EVAPORATION RATE: < 1

SOLUBILITY IN WATER: Soluble

REACTIVITY IN WATER: ND

pH: 6.5 – 7.5

Volatile by volume: ~ 67%

## **SECTION IV – FIRE AND EXPLOSION DATA**

FLASH POINT: -156 F (estimated)

Flammable per Flame Projection Test (16CFR 1500.45): Extremely Flammable

FLAMMABLE LIMITS IN AIR (%BY VOLUME) LOWER: ND UPPER: ND

EXTINGUISHER MEDIA: Water, CO2, Dry Chemical, Foam

AUTO-IGNITION TEMPERATURE: ND

UNUSUAL FIRE AND EXPLOSION HAZARDS:

SPECIAL FIRE FIGHTING PROCEDURES: Use self-containing breathing apparatus when fighting fires involving chemicals. Stop the release of materials if possible. Cool the vapor space of the storage container with water spray. Avoid accumulation of unburned materials. Remove personnel in general area.

UNUSUAL FIRE EXPLOSION HAZARD: Vapors are heavier than air and may travel along the ground or may be moved by ventilation systems and ignited by pilot lights, other flames, sparks, heaters, smoking, electronic motors, static discharge or other ignition sources at locations distant from material handling point.

## **SECTION V – REACTIVITY DATA**

STABILITY: Stable

CONDITIONS TO AVOID: None known

INCOMPATIBLE MATERIALS: None known

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition can produce CO2, CO and possible traces of HBR and HF.

HAZARDOUS POLYMERIZATION: Will not occur.

## **SECTION VI - SPECIAL PROTECTION INFORMATION**

ENGINEERING CONTROLS:

RESPIRATORY PROTECTION: None required if ventilation is adequate to keep below TLV)

VENTILATION: Recommended to keep air contaminant concentration below PEL and TLV

GLOVES: Neoprene rubber gloves.

EYE PROTECTION: Safety goggles.

OTHER: If TLV of any component of this product is exceeded, a NIOSH/MSHA jointly approved respirator must be supplied to personnel and used in accordance with OSHA regulations: 29CFR 1910.134. Wash hands thoroughly before handling foodstuffs, liquids, or tobacco products.

## **SECTION VII – STORAGE, SPILL AND DISPOSAL INFORMATION**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid contact with eyes. Avoid prolonged and repeated skin contact. Avoid breathing vapors. Use with adequate ventilation. Store in cool dark place away from heat or flame sources.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Observe precautions from other sections. Collect any spills with absorbent material such as vermiculite. Place collected material in a polyethylene lined metal container and seal. Clean up residue with water.

WASTE DISPOSAL METHODS:

## **SECTION VIII – HEALTH RELATED DATA**

PRIMARY ROUTES OF ENTRY: Dermal-Yes, Ingestion-Yes, Inhalation-Yes

### **POTENTIAL HEALTH HAZARD(ACUTE AND CHRONIC)**

EYE CONTACT: Very mild eye irritant. Direct contact with the solution may cause slight iridal and conjunctival irritation. No permanent damage is anticipated.

SKIN CONTACT: Can be mildly irritating upon prolonged exposure (liquid stage only).

INHALATION: Gross over-inhalation may cause symptoms such as, but not limited to, caughing. May aggravate pre-existing lung disorders.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CARCINOGENICITY: NTP-NO, IARC MONOGRAPH-NO, OSHA-NO

TOXICOLOGY INFORMATION: ND

## **SECTION IX – FIRST AID MEASURES**

EYES: Flush immediately with clean, free flowing water for 15 minutes. Consult physician if irritation persists.

SKIN: Wash thoroughly with soap and water.

INGESTION: Extremely low toxicity (water based product). Give a quart or more of water to drink and induce vomiting. Provide medical attention. Never administer liquids by mouth to unconscious persons.

INHALATION: Extremely low hazard. Remove person to fresh air. If not breathing, administer artificial respiration including oxygen. Provide medical attention.

## **HMIS RATING**

**Health - 1**

**Flammability - 3**

**Reactivity -0**

**Personal Protection: --** (Personal protection information to be supplied by user)

**Although the information and recommendations set forth in this MSDS are presented in good faith and are believed to be correct as of the date of this MSDS, we makes no representations as to the completeness or accuracy thereof. Information is supplied on the condition that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will we or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the MSDS.**

**NA:** Not Applicable

**ND:** Not Determined