

# MATERIAL SAFETY DATA SHEET

## Section 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### COMPANY INFORMATION:

Turning Star, Inc.  
600 Willow Tree Road  
Leonia, NJ 07605  
Emergency Telephone: Chemtrec  
1-800-424-9300

### MSDS INFORMATION:

Preparation Date: 03/26/12  
Effective Date: 03/26/12  
Supercedes: 02/09/11

### PRODUCT INFORMATION:

Product Name: Flame Guardian FG-220  
Product Use: Fire Retardant; Flame Retardant

## Section 2. COMPOSITION INFORMATION

### CHEMICALS: HAZARDOUS

None listed.

### CHEMICALS: NON-HAZARDOUS

Proprietary

## Section 3. HAZARDS IDENTIFICATION

**Ingestion:** Ingestion of large quantities may cause gastrointestinal discomfort, vomiting, weakness or other medically related problems.  
**Inhalation:** Continued and concentrated exposure may cause irritation to respiratory tract.  
**Eye Contact:** Causes irritation, redness, pain.  
**Skin Contact:** Continued long-term exposure may cause irritation.  
**Chronic Exposure:** No information found

## Section 4. FIRST AID MEASURES

**Ingestion:** Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.  
**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.  
**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention.  
**Skin:** Wash skin with water. Wash clothing before reuse.

## Section 5. FIRE FIGHTING MEASURES

**Fire:** Not considered to be a fire hazard  
**Explosion:** Not considered to be an explosion hazard  
**Extinguishing Media:** Use appropriate extinguishing media for surrounding fire.  
**Special Fire Fighting Procedures:** None.

## Section 6. ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment as specified in Section 8. Dam area if needed, mop up and containerize for reclamation or disposal. Small amounts may be flushed into sewer with plenty of water.

**Section 7.****HANDLING AND STORAGE**

Keep in a tightly closed container, store in a cool, dry, ventilated area. Protect against physical damage. Observe all warnings and precautions listed for the product.

**Section 8.****EXPOSURE CONTROLS/PERSONAL PROTECTION****Airborne Exposure Limits:**

None established

**Ventilation System:**

In general, normal ventilation is a satisfactory health hazard control for this product. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

**Personal Respirators (NIOSH Approved)**

For normal use, no respirator is required.

**Skin Protection:**

Wear impervious protective clothing to prevent skin contact.

**Eye Protection:**

Use chemical safety goggles and/or full face shield where splashing of product is possible.

**Section 9.****PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Clear liquid
<b>Odor:</b>	None
<b>Specific Gravity:</b>	1.04 – 1.07
<b>pH:</b>	6.0 – 6.3
<b>% Volatiles by volume @21C (70F)</b>	None
<b>Boiling Point:</b>	100C/212F
<b>Flash Point:</b>	None
<b>Vapor Density (Air=1):</b>	Not applicable
<b>Vapor Pressure (mm Hg):</b>	Not applicable

**Section 10.****STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable
<b>Conditions to Avoid:</b>	Extremely high temperatures
<b>Hazardous Polymerization:</b>	Will not occur
<b>Incompatibilities:</b>	Oxidizing agents

**Section 11.****TOXICOLOGICAL INFORMATION**

No LD50/LC50 information found relating to normal routes of occupational exposure.

**Section 12.****ECOLOGICAL INFORMATION**

None listed

**Section 13.****DISPOSAL CONSIDERATIONS**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal manner. State and local disposal regulations may differ from federal regulations.

**Section 14.****TRANSPORT INFORMATION**

Not regulated by DOT.

**Section 15.****REGULATORY INFORMATION**

TSCA	No
EC	No
Japan	No
Australia	No
Korea	No
DSL	No
NDSL	No
Phil.	No
SARA 302	No
SARA 313	No
TSCA 12b	No
Chemical Weapons Convention	No

**Section 16. ADDITIONAL INFORMATION****HMIS RATINGS:**

Health: 0  
Flammability: 0  
Reactivity: 0  
Contact: 0

**HMIS RATING SYSTEM:**

4 – severe hazard  
3 – serious hazard  
2 – moderate hazard  
1 – slight hazard  
0 – minimal hazard