

MATERIAL SAFETY DATA SHEET  
**UN0336 1.4G CONSUMER FIREWORKS**  
B. J. ALAN COMPANY

555 Martin Luther King Jr. Blvd., Youngstown, Ohio 44502-1102 (330) 746-1064  
**Date Prepared:** April 1, 1999

**Hazardous Ingredients/Identity Information**

**Hazardous Components:** Contains pyrotechnic composition - a solid mixture of oxidizer and fuel that will burn if ignited. These items are classified as UN0336 1.4G Consumer Fireworks by the U.S. Department of Transportation. No chemical composition is exposed during normal handling and storage.

**Physical/Chemical Characteristics**

**Solubility in Water:** Slight

**Appearance and Odor:** All pyrotechnic composition is contained in a cardboard casing.

**Fire and Explosion Hazard Data**

**Extinguishing Media:** Flood with water if a small amount of fireworks is involved.

**Special Fire Fighting Procedures:** Do not use suffocation methods - devices contain their own oxygen. If a large amount of fireworks are involved, allow them to burn and prevent spread of fire.

**Unusual Fire and Explosion Hazards:** Fireworks will burn rapidly in the event of fire.

**Reactivity Data**

**Stability:** Stable

**Conditions to Avoid:** Open flames, smoking.

**Incompatibility (Materials to Avoid):** Exposure to water may cause items to deteriorate.

**Hazardous Decomposition or Byproducts:** Smoke, nitrogen oxides, and sulfur oxides may be produced in a fire.

**Hazardous Polymerization:** Will not occur.

**Health Hazard Data**

**Health Hazards:** Exposure to finished items does not pose any health hazard.

**Precautions for Safe Handling and Use**

**Steps to be Taken in Case Material is Released or Spilled:** No smoking or open flames in vicinity of spilled material. Carefully pick up and place spilled items in cardboard cartons. Sweep up any exposed chemical composition with a natural-fiber brush.

**Waste Disposal Method:** Dispose by burning in compliance with state and local regulations.

**Precautions to be taken in Handling and Storing:** Avoid open flames, smoking, and high temperatures (above 120 degrees F.). Keep shipping cartons cool and dry.

**Control Measures**

**Respiratory Protection:** None required when handling finished items.

**Protective Gloves:** None required.

**Work/Hygienic Practices:** No smoking in vicinity of fireworks.

**EMERGENCY RESPONSE PHONE # (800) 255-3924.**

# EMERGENCY RESPONSE INFORMATION

## FIREWORKS, 1.4G, UN0336

(Formerly referred to as CLASS C EXPLOSIVES, COMMON FIREWORKS)

No chemical composition is released or exposed during normal handling, storage and transportation. In the event of a vehicle fire or intense heat that reaches the cargo area, the fireworks are likely to ignite. They will burn, spreading burning particles over a limited area. A mass explosion is not expected. Smoke and potentially-irritating gases will be produced in a fire. If the fireworks are spilled as the result of an accident but do not ignite, they can safely be picked up and repackaged. The area should be kept cleared of unnecessary people while this is being done.

### EMERGENCY ACTION

In case of fire, stop traffic, isolate the immediate area, and deny entry. Keep unnecessary people away.

Fire in cargo area can be fought with water spray if necessary although disposal and site cleanup will be simplified if material is allowed to burn. Try to prevent other types of fire from reaching the cargo area. Self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide limited protection. Firefighters should retreat if fire approaches cargo area and use unmanned hose holder to direct water spray on fire. For additional information, call the shipper using the emergency telephone number listed on the shipper's papers.

### FIRE

Truck Fire (other than cargo area): Flood with water, Tire fires may start again, Unhook and separate tractor from trailer, if possible. Remove vehicle that is not involved in fire from fire area if you can do so without risk. If cargo area is exposed to heat and flames, direct water spray on outside of container to cool it down. Continue spray until well after fire is out.

Cargo fire Do **NOT** move cargo or vehicle if cargo has been exposed to heat. Withdraw from area if and when fire reaches cargo and let fire burn, if situation allows. If fire must be fought, flood with water spray. Use firefighting team to prevent spread of fire to adjacent structures and materials.

Promptly isolate the scene by removing all persons from the vicinity of the incident.

### SPILL OF CARGO

Shut off all ignition sources. There shall be no flares, smoking, tools capable of producing sparks, or flames in the vicinity of the spilled material. Cautiously pick up the spilled devices and place them in cardboard cartons.

### FIRST AID

Call emergency medical care. Use first aid treatment according to the nature of the injury.

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved OMB No. 1218-0072

**IDENTITY :** Consumer Fireworks, 1.4G

## Section I

### Manufacturer's Name and Address

B.J. Alan Company  
555 Martin Luther King Jr. Blvd.  
Youngstown, OH 44502

**Emergency Telephone Number :** (800)255-3924

**Telephone Number for Information :** (330)746-1064

**Date Prepared :** 03/12/2009

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity: Common Name(s))

OSHA PEL

ACGIH TLV

Other Limits Recommended

% (optional)

Contains pyrotechnic composition - a solid mixture of oxidizer and fuel that will burn if ignited. These items are classified as 1.4G explosive by DOT. No chemical composition is exposed during normal handling and storage.

## Section III - Physical/Chemical Characteristics

Boiling Point	n/a	Specific Gravity (H <sub>2</sub> O = 1)	n/a
Vapor Pressure (mm Hg)	n/a	Melting Point	n/a
Vapor Density (AIR = 1)	n/a	Evaporation Rate	n/a
Solubility in Water - Slight		Appearance and Odor - All pyrotechnic composition is contained in a cardboard casing.	

## Section IV - Fire and Explosion Hazard Data

Flash Point - n/a      Flammable Limits - n/a      LEL - n/a      UEL - n/a

Extinguishing Media - Flood with water if a small amount of fireworks is involved.

Special Fire Fighting Procedures - Do not use suffocation methods, devices contain their own oxygen.

If a large amount of fireworks are involved, allow them to burn and prevent spread of fire.

Unusual Fire and Explosion Hazards - Fireworks will burn rapidly in the event of fire.

## Section V - Reactivity Data

Stability-      Unstable       Stable X       Conditions to Avoid - Open flames, smoking.

Incompatibility (Materials to Avoid) - Exposure to water may cause items to deteriorate.

Hazardous Decomposition or Byproducts - Smoke, nitrogen oxides, and sulfur oxides may be produced in a fire.

Hazardous Polymerization-      May Occur       Will Not Occur- X       Conditions to Avoid- n/a

## Section VI - Health Hazard Data

Route(s) of Entry:      Inhalation?       Skin?       Ingestion?

Health Hazards (Acute and Chronic) - Exposure to finished items does not pose any health hazard.

Carcinogenicity: No      NTP? No      IARC Monographs? No      OSHA Regulated? No

Signs and Symptoms of Exposure: n/a      Emergency and First Aid Procedures: n/a

Medical Conditions Generally Aggravated by Exposure: n/a

## Section VII - Precautions for Safe Handling and Use

Steps to Be Taken In Case Material is Released or Spilled - No smoking or open flames in vicinity of spilled material. Carefully pickup and place spilled items in cardboard cartons. Sweep up any exposed chemical composition with a natural fiber brush.

Waste Disposal Method in accordance with local, state, and federal regulations.

Precautions to Be Taken in Handling and Storing - Avoid open flames, smoking, and high temperatures (above 120 F). Keep shipping cartons cool and dry.

Other Precautions: None

## Section VIII - Control Measures

Respiratory Protection (Safety Type) - None required when handling finished items.

Ventilation

Local Exhaust: n/a

Special: n/a

Mechanical (General): n/a

Other: n/a

Eye Protection: n/a

Other Protective Clothing or Equipment: n/a

Protective Gloves: none required

Work/Hygenic Practices: No smoking in vicinity of fireworks