

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 (as Used on Label and List)
Igniters (Fireworks 1.4S)

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's name

United Pyrotechnics USA Inc.

Emergency Telephone Number

Contract # MIS0005901

Chem-Tel 1-800-255-3924

Address (Number, Street, City, State and ZIP Code)

2000 Sierra Point Parkway

Telephone Number for Information

989-662-0121

Brisbane, CA 94005

Date Prepared¹

January 1, 2010

Signature of Preparer (optional)

Section II—Hazardous Ingredients/Identity Information

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

OSHA PEL

ACGIH TLV

Other Limits

Recommended

% (optional)

Igniters contain pyrotechnic compositions and are classified as Fireworks 1.4S by the US Department of Transportation . No chemical components are released during the normal handling, storage and transportation of the product.

Section III—Physical/Chemical Characteristics

Boiling Point

N/A

Specific Gravity (H₂O = 1)

N/A

Vapor Pressure (mm Hg)

N/A

Melting Point

N/A

Vapor Density (AIR = 1)

N/A

Evaporation Rate (Butyl Acetate = 1)

N/A

Solubility in Water Slight

Appearance and Odor Two wires with a dab of pyrotechnic composition over the igniter wire covered with a plastic shroud- No Odor

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)

N/A

Flammable Limits

N/A

LEL

N/A

UEL

N/A

Extinguishing Media

Do not attempt to fight a firework fire

Special Fire Fighting Procedures

Evacuate the area, keep others out and stay away

Unusual Fire and Explosion Hazards

Fireworks will burn rapidly in a fire. Keep away from static electricity.

Section V—Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	No open flames, smoking or moisture in the vicinity of fireworks. Keep away from static electricity
Incompatibility (<i>Materials to Avoid</i>) Do not allow to get wet Keep shunted. Keep away from static electricity.			
Hazardous Decomposition or Byproducts			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	N/A

Section VI—Health Hazard Data

Route(s) of Entry	Inhalation? No	Skin? NO	Ingestion? No
Health Hazards (<i>Acute and Chronic</i>) No chemical components are released during the handling of product. However during a display, ground level smoke may contain gases that can cause eye and mucous membrane irritation. Prolonged exposure to the smoke should be avoided.			
Carcinogenicity	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure Shortness of breath, eye and mucous membrane irritation			
Medical Conditions Generally Aggravated by Exposure Persons with respiratory problems should avoid exposure to the smoke.			
Emergency and First Aid Procedures Move to an area with fresh air.			

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled	Carefully pick up spilled composition with a broom and non metallic dust pan, place in a cardboard container if possible.
Waste Disposal Method	Soak composition with water and burn in compliance with the local AHJ.
Precautions to Be Taken in Handling and Storing	Keep product cool & dry. Avoid dropping and careless handling of product. Keep fire away at all times
Other Precautions	None

Section VII—Control Measures

Respiratory Protection (<i>Specify Type</i>) Not Required				
Ventilation	Local Exhaust	N/A	Special	N/A
	Mechanical (<i>General</i>)	N/A	Other	N/A
Protective Gloves	Not Required		Eye Protection	N/A
Other Protective Clothing or Equipment N/A				
Work/Hygienic Practices No smoking in the vicinity of the product				

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IDENTITY (as Used on Label and List)
Display Fireworks (Fireworks 1.3G)

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's name

Gongguan Fireworks Export

Emergency Telephone Number

Contract # MIS0005901

Chem-Tel 1-800-255-3924

Address (Number, Street, City, State and ZIP Code)

168 Baisanhan Rd

Telephone Number for Information

989-662-0121

Gongguan Hepu-Guangxi, China

Date Prepared¹

January 1, 2013

Signature of Preparer (optional)

Section II—Hazardous Ingredients/Identity Information

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

OSHA PEL

ACGIH TLV

Other Limits

Recommended

% (optional)

Display Fireworks contain explosive pyrotechnic compositions and are classified as Fireworks 1.3G by the US Department of Transportation . No chemical components are released during the normal handling, storage and transportation of the product.

Section III—Physical/Chemical Characteristics

Boiling Point

N/A

Specific Gravity (H₂O = 1)

N/A

Vapor Pressure (mm Hg)

N/A

Melting Point

N/A

Vapor Density (AIR = 1)

N/A

Evaporation Rate (Butyl Acetate = 1)

N/A

Solubility in Water Slight

Appearance and Odor Round Spheres - Multi Shot Boxes - Canister Shells- No Odor

Section IV—Fire and Explosion Hazard Data

Flash Point (Method Used)

N/A

Flammable Limits

N/A

LEL

N/A

UEL

N/A

Extinguishing Media

Do not attempt to fight a firework fire

Special Fire Fighting Procedures

Evacuate the area, keep others out and seek shelter

Unusual Fire and Explosion Hazards

Display Fireworks may mass detonate in a fire.

(Reproduce locally)

OSHA 174 Sept. 1985

Section V—Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	No open flames, smoking or moisture in the vicinity of fireworks. Friction and impact sensitive
Incompatibility (<i>Materials to Avoid</i>) Do not allow to get wet			
Hazardous Decomposition or Byproducts			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	N/A

Section VI—Health Hazard Data

Route(s) of Entry	Inhalation? Yes, when shooting	Skin? NO	Ingestion? No
Health Hazards (<i>Acute and Chronic</i>) No chemical components are released during the handling of product. However during a display, ground level smoke may contain gases that can cause eye and mucous membrane irritation. Prolonged exposure to the smoke should be avoided.			
Carcinogenicity	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure Shortness of breath, eye and mucous membrane irritation			
Medical Conditions			
Generally Aggravated by Exposure Persons with respiratory problems should avoid exposure to the smoke.			
Emergency and First Aid Procedures Move to an area with fresh air.			

Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled	Carefully pick up spilled composition with a broom and non metallic dust pan, place in a cardboard container if possible.
Waste Disposal Method	Soak composition with water and burn in compliance with the local AHJ.
Precautions to Be Taken in Handling and Storing	Keep product cool & dry. Avoid dropping and careless handling of product. Keep fire away at all times
Other Precautions	None

Section VIII—Control Measures

Respiratory Protection (<i>Specify Type</i>)		Not Required
Ventilation	Local Exhaust	N/A
	Mechanical (<i>General</i>)	N/A
	Special	N/A
	Other	N/A
Protective Gloves	Not Required	Eye Protection N/A
Other Protective Clothing or Equipment	N/A	
Work/Hygienic Practices	No smoking in the vicinity of the product	