

# Safety Data Sheet

Acc. to OSHA HCS (29 CFR 1910.1200)

Printing date: February 12, 2019

Revision: February 12, 2019

## 1 Identification

· **Product identifier**

· **Trade name:** General 1.4G Fireworks

· **Other means of identification:**

0981 14" Morning Glory, BLUE STAR WITH REPORT, Festival ball, FF-0128A, FF-0160, FF-0205A, FF206, FF213B, FF213C, FF218B, FF223, FF226, FF286, FF301, FF577, FF579, FF616, FF671, FF675, FF700, FF701, FF705, FF870, FF872A, FF-0901B, FF-0901K, FF-0950, FF1002, FF1024, FF1410, FF1428, FF1430, FF1503, FF1652, FF1900, FF1901, FF 2001 Buck Fever, FF 2002 The Magnificent, FF 2003 White Lightning, FF 2004 Pound Cake, FF 2005 Black Magic, FF 2006 Krackling Kryptonite, FF 2007 China Town, FF 2008 Crown Jewels, FF 2009 Super Fly, FF 2010 Jekyll & Hyde, FF 2011 Professional 3' Rack, FF 2012 Selfie, FF 2013 Granny Gone Wild, FF 2015 Poppin Blossims, FF 2017 Light of Illusion, FF 2018 Trifecta, FF 2019 Ape Escape, FF 2020 196 Shots Saturn Missile, FF 2021 #300 Neon Single Shot, FF 2022 Haywire, FF 2024 Backyard Buster Fireworks Assortment, FF 2025 Jumbo Smoke Ball, FF 2045 Birthday Music, FF 2046 Campfire Color Changer, FF2461, FF2506, FF3009, FF3010, FF5002, FF5006, FF5007, FF-F-1188, FF-R-3560, FF-T724A, FF-T734, FF-T737, FF-T2507, FF-T2521, FF-T5530, FF-T8502-6, M9004, MOON TRAVELLERS, Premium artillery shell, SATELLITES, SINGLE DAY PARACHUTE, SP-18-NS, SP-36G, SP336, SP338, SP-0428, SP689, SP-0710, SP-0902, SP1130-300, SP1215, SP1410, SP1413, SP2006, SP2200, SP-K1130C12, SP-N-104, SP-N-108, SP-R-346, SP-T732, SP-T735, SP-T2549, SP-W499A, SP-W705A, T0572

· **Recommended use and restriction on use**

· **Recommended use:** Explosive product.

· **Restrictions on use:** Contact manufacturer/supplier

· **Details of the supplier of the Safety Data Sheet**

· **Manufacturer/Supplier:**

Wild Willy's Fireworks  
17105 S HWY 50  
Springfield, NE 68059  
(402) 253-2925

· **Emergency telephone number:** (402) 253-2925

## 2 Hazard(s) identification

· **Classification of the substance or mixture**

Expl. 1.4 H204 Fire or projection hazard.

· **Label elements**

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



GHS01

· **Signal word:** Warning

· **Hazard statements:**

H204 Fire or projection hazard.

· **Precautionary statements:**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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- P250 Do not subject to grinding/shock/friction.
- P280 Wear protective gloves / eye protection / face protection.
- P370+P380 In case of fire: Evacuate area.
- P372 Explosion risk in case of fire.
- P373 DO NOT fight fire when fire reaches explosives.
- P401 Store in accordance with local/regional/national/international regulations.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards** There are no other hazards not otherwise classified that have been identified.

· **Explosive Product Notice**

PREVENTION OF ACCIDENTS IN THE USE OF EXPLOSIVES - The prevention of accidents in the use of explosives is a result of careful planning and observance of the best known practices. The explosives user must remember that they are dealing with a powerful force and that various devices and methods have been developed to assist them in directing this force. They should realize that this force, if misdirected, may either kill or injure both themselves and their fellow workers.

WARNING - All explosives are dangerous and must be carefully handled and used following approved safety procedures either by or under the direction of competent, experienced persons in accordance with all applicable federal, state, and local laws, regulations, or ordinances. If you have any questions or doubts as to how to use any explosive product, DO NOT USE IT before consulting with your supervisor, or the manufacturer, if you do not have a supervisor. If your supervisor has any questions or doubts, they should consult the manufacturer before use.

### 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Components:**

Components for product possessing only physical hazards do not require reporting. These components are considered proprietary.

### 4 First-aid measures

· **Description of first aid measures**

· **General information:**

Information is only applicable to product contents, and not to product as normally supplied. This information is applicable to damaged, leaking, or spilled product as contact with contents is possible under these conditions.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Wash with soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

· **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Unlikely route of exposure.

Do not induce vomiting; immediately call for medical help.

· **Most important symptoms and effects, both acute and delayed:** Blast injury if mishandled.

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**· Indication of any immediate medical attention and special treatment needed:**

Product may produce physical injury if mishandled. Treatment of these injuries should be based on the blast and compression effects.

**5 Fire-fighting measures****· Extinguishing media****· Suitable extinguishing agents:**

DO NOT fight fire when fire reaches explosives.

Flood area with water. If no water is available, carbon dioxide, dry chemical or earth may be used. If the fire reaches the cargo, withdraw and let fire burn.

**· For safety reasons unsuitable extinguishing agents: None.****· Special hazards arising from the substance or mixture**

During heating or in case of fire poisonous gases are produced.

Product may explode if burned in confined space. Individual cartridges may explode. Mass explosion of many cartridges at once is unlikely.

**· Advice for firefighters****· Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**· Additional information:**

Eliminate all ignition sources if safe to do so.

Cool endangered receptacles with water spray.

Flammability Classification: (defined by 29 CFR 1910.1200) Explosive. Can explode under fire conditions.

Individual devices will randomly explode. Will not mass explode if multiple devices are involved. Burning material may produce toxic and irritating vapors. In unusual cases, shrapnel may be thrown from exploding devices under containment. See 2008 Emergency response Guidebook for further information.

**6 Accidental release measures****· Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Remove persons from danger area.

Ensure adequate ventilation.

Protect from heat.

Isolate area and prevent access.

**· Environmental precautions**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**· Methods and material for containment and cleaning up**

Pick up mechanically.

Send for recovery or disposal in suitable receptacles.

**· Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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## 7 Handling and storage

- **Handling**
- **Precautions for safe handling:**  
Handle with care. Avoid jolting, friction and impact.  
Keep out of reach of children.
- **Information about protection against explosions and fires:**  
Protect from heat.  
Emergency cooling must be available in case of nearby fire.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**  
Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from flammable substances.
- **Specific end use(s)** No relevant information available.

## 8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Exposure controls**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.
- **Engineering controls:** Provide adequate ventilation.
- **Breathing equipment:** Not required under normal conditions of use.
- **Protection of hands:**  
Wear gloves for the protection against mechanical hazards according to OSHA and NIOSH rules.  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Eye protection:**



Safety glasses

- Follow relevant national guidelines concerning the use of protective eyewear.
- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment**  
No relevant information available.
- **Risk management measures**  
Organizational measures should be in place for all activities involving this product.

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## 9 Physical and chemical properties

### · Information on basic physical and chemical properties

#### · Appearance:

· **Form:** Outer shell containing powder, granular, or solid materials.

· **Color:** According to product specification

· **Odor:** Odorless

· **Odor threshold:** Not determined.

· **pH-value:** Not applicable.

· **Melting point/Melting range:** Not determined.

· **Boiling point/Boiling range:** Not determined.

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Fire or projection hazard.

· **Auto-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Danger of explosion:** Heating may cause an explosion.

#### · Explosion limits

· **Lower:** Not determined.

· **Upper:** Not determined.

· **Oxidizing properties:** Not determined.

· **Vapor pressure:** Not applicable.

#### · Density:

· **Relative density:** Not determined.

· **Vapor density:** Not applicable.

· **Evaporation rate:** Not applicable.

#### · Solubility in / Miscibility with

· **Water:** Insoluble.

· **Partition coefficient (n-octanol/water):** Not determined.

#### · Viscosity

· **Dynamic:** Not applicable.

· **Kinematic:** Not applicable.

· **Other information** No relevant information available.

## 10 Stability and reactivity

· **Reactivity:** No relevant information available.

· **Chemical stability:**

· **Thermal decomposition / conditions to be avoided:** Risk of explosion if heated under confinement.

· **Possibility of hazardous reactions**

Fire or projection hazard.

Toxic fumes may be released if heated above the decomposition point.

Reacts with strong acids and alkali.

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- **Conditions to avoid**  
Excessive heat.  
Sources of ignition, open flame, incompatible materials.
- **Incompatible materials** Oxidizers, strong bases, strong acids
- **Hazardous decomposition products**  
Carbon monoxide and carbon dioxide  
Nitrogen oxides  
Sulfur oxides (SOx)  
Toxic metal oxide smoke  
Phosphorus oxides (e.g. P2O5)

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:**  
Not a skin irritant in unused form. Vapors/particles from used product are possibly irritating to skin.
- **On the eye:**  
Not an eye irritant in unused form. Vapours/particles from used product are possibly irritating to eyes.
- **Sensitization:** Based on available data, the classification criteria are not met.
- **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer):**

Contact manufacturer.

· **NTP (National Toxicology Program):**

Contact manufacturer.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

· **Probable route(s) of exposure:**

- Skin contact.
- Eye contact.
- Inhalation.

- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

## 12 Ecological information

- **Toxicity**
- **Aquatic toxicity** No relevant information available.
- **Persistence and degradability** No relevant information available.

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- **Bioaccumulative potential:** May be accumulated in organism
- **Mobility in soil:** No relevant information available.
- **Other adverse effects** No relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**  
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |  |  |   |
|--|--|---|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>DOT, ADR/RID/ADN, IMDG, IATA</b></li> </ul>                                | <p style="margin-left: 20px;">UN0336</p>   |   |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>DOT, IATA</b></li> <li>· <b>ADR/RID/ADN, IMDG</b></li> </ul> | <p style="margin-left: 20px;">Fireworks<br/>FIREWORKS</p>  |   |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· <b>DOT</b></li> </ul>  | <div style="text-align: center; margin-bottom: 10px;">  </div> <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul> | <p style="margin-left: 20px;">1.4G<br/>1.4G</p> |
| <ul style="list-style-type: none"> <li>· <b>ADR/RID/ADN, IMDG, IATA</b></li> </ul>   | <div style="text-align: center; margin-bottom: 10px;">  </div> <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul> | <p style="margin-left: 20px;">1.4G<br/>1.4G</p> |
| <ul style="list-style-type: none"> <li>· <b>Packing group</b></li> </ul>   | <p style="margin-left: 20px;">This UN-number is not assigned a packing group.</p>  |   |
| <ul style="list-style-type: none"> <li>· <b>Environmental hazards</b></li> <li>· <b>Marine pollutant:</b></li> </ul>                               | <p style="margin-left: 20px;">No</p>   |   |
| <ul style="list-style-type: none"> <li>· <b>Special precautions for user</b></li> <li>· <b>EMS Number:</b></li> </ul>                              | <p style="margin-left: 20px;">Not applicable.<br/>F-B,S-X</p>  |   |

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· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **IATA**



Cargo Aircraft Only.

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **United States (USA)**

· **SARA**

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

Contact manufacturer.

· **TSCA (Toxic Substances Control Act)**

All ingredients are listed or exempt.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

Contact manufacturer.

· **Chemicals known to cause developmental toxicity for females:**

Contact manufacturer.

· **Chemicals known to cause developmental toxicity for males:**

Contact manufacturer.

· **Chemicals known to cause developmental toxicity:**

Contact manufacturer.

· **EPA (Environmental Protection Agency):**

Contact manufacturer.

· **IARC (International Agency for Research on Cancer):**

Contact manufacturer.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any  
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specific product features and shall not establish a legally valid contractual relationship.

• **Date of preparation / last revision** February 12, 2019 / -

• **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Expl. 1.4: Explosives – Division 1.4

• **Sources**

Website, European Chemicals Agency ([echa.europa.eu](http://echa.europa.eu))

Website, US EPA Substance Registry Services ([ofmpub.epa.gov/sor\\_internet/registry/substreg/home/overview/home.do](http://ofmpub.epa.gov/sor_internet/registry/substreg/home/overview/home.do))

Website, Chemical Abstracts Registry, American Chemical Society ([www.cas.org](http://www.cas.org))

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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