

# Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 01/21/2018

Reviewed on 01/21/2018

Tradename: P.E.D. FIRE-SAFE

## \* 1. IDENTIFICATION

• **Product Identifier**

• **Trade name: P.E.D. FIRE-SAFE**

• **Product Number:**

PART NUMBER- FCC-PFS-14  
PART NUMBER- FCC-PFS-16BK  
PART NUMBER- FCC-PFS-16TN  
PART NUMBER- FCC-PFS-18bk  
PART NUMBER- FCC-PFS-18BK  
PART NUMBER- FCC-PFS-20BK  
PART NUMBER- FCC-PFS-20TN

• **Relevant identified uses of the substance or mixture and uses advised against:**

To contain and suppress a lithium battery or electronic device which has or may catch on fire.

• **Product Description**

A fire containment bag designed to safely contain and automatically suppress fires and resultant smoke originating from small consumer Personal Electronic Devices, carried on-board aircraft.

• **Details of the Supplier of the Safety Data Sheet:**

• **Manufacturer/Supplier:**

FIRE CONTAINMENT CONCEPTS LLC.  
13155 Market avenue  
Unit A  
HARTVILLE, OHIO / USA 44632  
PHONE: 1-800-877-2204  
FAX 1-800-577-8153

• **Emergency telephone number: 1-800-877-2204**

## \* 2. HAZARD (S) IDENTIFICATION

• **Classification of the substance or mixture:**

**\*2. HAZARD (S) IDENTIFICATION (Continued)**

• **Precautionary statements:** Protect from direct sunlight. Store in a dry place.

• **Unknown acute toxicity:** 100 % of the mixture consists of component(s) of unknown toxicity.

• **Classification system:**

• **NFPA ratings (scale 0 - 4)**



Health = 0  
Fire = 0  
Reactivity = 0

• **HMS-ratings (scale 0 - 4)**



HEALTH 0 Health = 0  
FIRE 0 Fire = 0  
REACTIVITY 0 Reactivity = 0

• **Hazard(s) not otherwise classified (HNOC): None known**

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## \*3. Composition/Information on Ingredients

• **Non-hazardous components:**

COLDFIRE 302AS-Extinguishing Medium

Various high temperature textiles including fiberglass and Kevlar.

• **Chemical characterization: Substance**

• **CAS No. Description**

• **Additional information:**

The PED FIRE-CASE consist of a fire-resistant bag constructed of numerous layers of synthetic high temperature textiles sewn together to form an envelope. The internal bag has multiple K-type thermal couples routed with to an external temperature indicator to display the internal temperature of the system to the user. The inside of the bag houses multiple webbing pockets which house individual R/F Welded bladders serviced with an aqueous extinguishing agent. The suppression system bladders consist of:

1. RF weldable synthetic plastic.
2. Up to 9 individual bladders serviced with COLDFIRE 302AS extinguishing medium 4.5 fluid ounces.
3. Up to (3) individual K-Type Thermal Couples
4. An exterior mounted RF shielded Pyrometer digital indicator housed in a 20-gauge welded steel housing.
5. The indicator is powered by (2) AAA batteries QU2400BKD Duracell-Quantum batteries.

## \*4. First-Aid Measures

- **Dangerous Components:** (\*) AAA batteries (Qty. 2) QU2400BKD Duracell-Quantum batteries  
(\*\*) COLDFIRE 302AS-Extinguishing Medium

**DESCRIPTION OF FIRST AID MEASURES:** (\*) AAA batteries QU2400BKD Duracell-Alkaline batteries

- **General information:** (\*) See Duracell Alkaline Batteries (Major and Specialty Cells) Document ID# AIS-ALK dated 1 May15 R2
- **First Aid - If swallowed:** (\*) Do not induce vomiting. Seek medical attention immediately.  
CALL 24-HOUR NATIONAL BATTERY INGESTION HOTLINE: (202) 625-3333 - COLLECT.
- **First Aid - Eye Contact:** (\*) Flush with water for 15 minutes Seek medical care if irritation persists.

**DESCRIPTION OF FIRST AID MEASURES:** (\*\*) COLDFIRE 302AS

- **General information:** (\*\*) Negligible hazard. Not a primary skin irritant. pH is slightly Alkaline 8.0
- **First Aid - If swallowed:** (\*\*) Drink water.
- **First Aid - Eye Contact:** (\*\*) Immediately flush eyes with water
- **First Aid - Inhalation:** (\*\*) Negligible, Remove to fresh air.

## \*5. Fire-Fighting Measures

- **Suitable extinguishing agents:** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture:** None
- **Advice for firefighters:**
- **Protective equipment:**  
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.
- **Additional information:** Cool endangered receptacles with water spray.

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## \*6. Accidental Release Measures

• **Personal precautions, protective equipment and emergency procedures:**

Not required.

Ensure adequate ventilation. Remove persons from danger area. Do not inhale gases / fumes / aerosols

• **Environmental precautions:**

Ensure emergency procedures to deal with accidental gas releases are in place to avoid contamination of the environment. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

• **Methods and material for containment and cleaning up:**

Dispose of the collected material according to regulations.

• **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.

## \*7. Handling and Storage

• **Handling**

• **Precautions for safe handling:** No special precautions are necessary if used correctly.

• **Information about protection against explosions and fires:** No special measures required.

• **Conditions for safe storage, including any incompatibilities:** No known incompatibility

• **Storage:** No special storage required

• **Requirements to be met by storerooms and receptacles:** No special storage required.

• **Information about storage in one common storage facility:** Not required.

• **Further information about storage conditions:** No special storage required

• **Specific end use(s):** No further relevant information available.

## \*8. Additional Controls/ Personal Protection

• **Additional information about design of technical systems:** No further data; see section 7.

• **Control parameters:**

• **Components with occupational exposure limits:**

• **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

• **Exposure controls:** None

• **Personal protective equipment:** Fire Resistant Gloves, Safety Glass, PBE hood if available.

• **General protective and hygienic measures:** None required

• **Breathing equipment:** Not required.

• **Protection of hands:** Wear fire resistant gloves provided

• **Eye protection:** Use special eye protection if available.

## \*9. Additional Controls/ Personal Protection

• **Information on basic physical and chemical properties**

• **Form:** Solid

• **Color:** Not determined.

• **Odor:** Odorless

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

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

• **Flash point:** None

• **Flammability (solid, gaseous):** Not determined.

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## \*9. Additional Controls/ Personal Protection (Continued)

- **Ignition temperature:** Not determined.
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Not determined.3.1.2
- **Danger of explosion:** Not determined.
- **Explosion limits:**
  - **Lower:** Not determined.
  - **Upper:** Not determined.
- **Reactivity:** No further relevant information available.

## \*10. Stability and Reactivity

- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## \*11. Toxicology Information

- **Information on toxicological effects:**
- **Acute toxicity:** No known if used properly
- **Primary irritant effect:** No known irritant effect
- **On the skin:** No irritating effect.
- **On the eye:** No irritating effect.
- **Additional toxicological information:**
- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):** Substance is not listed.
- **NTP (National Toxicology Program):** Substance is not listed.
- **OSHA-Ca (Occupational Safety & Health Administration):** Substance is not listed.

## \*12. Ecological information

- **Toxicity:** No known Toxicity
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bio accumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.
- **Waste treatment methods:**

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## \*13. Disposal Considerations

- **Recommendation:** Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging's Recommendation:** Disposal must be made according to official regulations.

## \*14. Transportation Information

- **UN-Number:**
- **DOT Classification:** Not DOT Regulated
- **Hazard Class:** Not Applicable
- **Special Provisions for transport:** Not applicable
- **Additional info:** none

## \*15. Regulatory Information

- **US Federal Regulations:**  
Cold Fire is listed by the EPA as a substitute for Halon1211 under their SNAP Program (Significantly New Alternative Policy Program)
- **Note:** No components are listed in the NOISH Recommendations for Occupational Safety and Health Standards, 1988, or are listed as hazardous by SARA, CERLA, RCRA. No OSHA PEL's are established for ingredients.
- **State Regulations:** Other state regulations may apply.
- **HMIS Rating:**  
Health: 0                                  Flammability: 0                                  Reactivity: 0 .

## \*16. Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- **Date of preparation / last revision:** 01/21/2018
  - \* Data compared to the previous version altered.
- SDS created by MSDS Authoring Services [www.msdsauthoring.com](http://www.msdsauthoring.com) +1-877-204-9106