

## Rely FX™ Safety Data Sheet (SDS)

Safety Data Sheet prepared in accordance with OSHA's Hazard Communications Standard (29 CFR 1910.1200) and the Global Harmonized System of Classification and Labeling of Chemicals (GHS)

Product name Rely FX™ PK 90

### 1. Identification

#### Product Identifier

**Product name** Rely FX™ PK 90 Dry Chemical Extinguishing Agent (pressurized and non-pressurized).

#### Other means of identification

**Product code** Model Number: PK90

**Synonyms** PK90, Dry Chemical Fire Extinguisher, Potassium Bicarbonate, Purple K

**Chemical Family** No information available

#### Recommended use of the chemical and restrictions on use

**Recommended use** Fire extinguishing agent

**Uses advised against** D & K class fires

#### Details of the Supplier of the Safety Data Sheet

**Company Name** Rely Innovations Inc.  
3925 N. Hastings Way  
Eau Claire, WI 54703

**Contact point** Consumer Service Department at 1-833-305-9499  
**E-mail address** [fxsupport@relyinc.com](mailto:fxsupport@relyinc.com)

#### Emergency Telephone Number

**Emergency telephone** CHEMTREC 800-424-9300 (USA and Canada)  
Consumer Service Department at 1-800-318-2944 (Int'l)

### 2. Hazard Identification

This SDS covers the product listed above as sold in pressurized and non-pressurized containers. GHS classifications for both forms are listed below.

#### Classification (non-pressurized)

**GHS Regulatory Status** This product is not considered hazardous by the GHS.

**Label Elements** Hazard symbols: None

Signal warning: None

#### Classification (pressurized)

**GHS Regulatory Status** Gas under pressure – Compressed gas

**Label Elements** Hazard symbols:



Signal warning: WARNING

**Hazard statements** Contents under pressure; do not expose to extreme heat

## Precautionary Statements

**Prevention** – None

**Response** – None

**Storage** – None

**Disposal** – None

## Hazards Not Otherwise Classified (HNOC)

Not Applicable.

## 3. Composition/information on Ingredients

### Mixture

Chemical Name	CAS #	Concentration
Potassium Bicarbonate	298-14-6	90 +/- 3%
Mica	12001-26-2	<7%
Talcum Powder	1480796-6	<5%
Methyl H polysiloxane	63148-57-2	<1%

## 4. First aid measures

### Description of first aid measures

#### **Eye Contact**

Rinse contact area immediately with plenty of water. If eye irritation or redness persists, seek medical advice/attention.

#### **Skin contact**

Wash skin with soap and water. Get medical attention if irritation persists.

#### **Inhalation**

Move to fresh air. If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

#### **Ingestion**

If victim is coherent, administer large quantities water. Seek medical treatment if discomfort ensues. Never give fluids orally to an unconscious person.

#### **Medical conditions aggravated**

Inhalation of dry chemical may aggravate existing chronic respiratory conditions e.g., asthma, emphysema, or bronchitis. Skin contact may aggravate existing skin diseases. Chronic overexposure may cause pneumoconiosis.

### Most Important Symptoms and Effects, Both Acute and Delayed

#### **Symptoms**

None known.

### Indication of Any Immediate Medical Attention and Special Treatment Needed Note to physicians

Treat symptomatically.

## 5. Fire-fighting measures

### **Suitable Extinguishing Media**

Product is an extinguishing agent that will not independently burn. If the compound is mixed with other anomalies and ignites, use extinguishing measures that are appropriate to local circumstances and the surrounding area.

## Unsuitable Extinguishing Media

None.

## Specific Hazards Arising from the Chemical

None

## **Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

## **Protective Equipment and Precautions for Firefighters**

As in any fire, wear self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Provide adequate ventilation. Avoid creating dust. Avoid breathing dust/fume/gas/mist/vapors/spray.

**For emergency responders** Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

### Environmental Precautions

**Environmental Precautions** Avoid disposing into drainage/sewer system or directly into the aquatic environment. Keep away from drains, surface- and ground-water systems.

### Methods and material for containment and cleaning up

**Methods for Containment** Stop leak if you can do it without risk. If sweeping of a contaminated area is necessary use a dust suppressing agent which does not react with product. Do not mix with other extinguishing agents or oxidizing agents.

**Methods for Cleaning Up** Transfer into suitable container for disposal or recovery. Damp mop or broom may be used in the cleaning process.

## 7. Handling and Storage

### Precautions for Safe Handling

**Advice on safe handling** Use personal protective equipment as required. Wash thoroughly after handling.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Store in a well-ventilated place. Keep cool. Keep container tightly closed. Guard against dust accumulation of material. Keep away from alkaline materials. Use care in handling/storage. The compound is hygroscopic in nature.

**Incompatible Materials** Strong caustic materials

## 8. Exposure Controls/Personal Protection

### Control Parameters

#### Exposure guidelines

Chemical name	ACGIH TVL	OSHA PEL
Potassium Bicarbonate	10 mg/m <sup>3</sup> Respirable fraction 3 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> Respirable fraction 5 mg/m <sup>3</sup>
Mica	TLV: 3mg/m <sup>3</sup> per respirable fraction	20 mppcf, <1% crystalline silica

ACGIH (American Conference of Governmental Industrial Hygienists). OSHA (Occupational Safety and Health Administration of the US Department of Labor).

(PEL) – Permissible exposure limit

(TLV) – Permissible exposure to a substance over a lifetime

## Appropriate Engineering Controls

**Engineering controls** Use adequate ventilation to keep airborne concentrations low

## Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Wear safety glasses with side shields or chemical goggles.

**Skin and Body Protection** No special precautions are needed in handling this material.

**Respiratory Protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Ventilation** Use local exhaust or general dilution ventilation to control exposure with applicable limits

## General hygiene considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

**Physical State** powder  
**Odor** None  
**Odor threshold** No data available

**Property** **VALUES**  
**pH** 8.8 (1.0% soln)

**Melting point** >100 °C  
**Boiling point / boiling range** No data available  
**Flash Point** > 300 °C  
**Evaporation Rate** No data available  
**flammability (solid, gas)** No data available  
**Flammability limit in air**  
**Upper flammability limit:** No data available  
**Lower flammability limit:** No data available  
**Vapor Pressure** No data available

**Vapor Density** No data available  
**Specific gravity** No data available  
**Water Solubility** No data available  
**Solubility in Other Solvents** No data available  
**Partition coefficient** No data available  
**Autoignition Temperature** No data available  
**Decomposition Temperature** No data available  
**Kinematic viscosity** No data available  
**Expellant (Nitrogen)**

**Physical State** Gas  
**Odor** None  
**Odor threshold** None

**Property** **VALUES**  
**pH** Not applicable

<b>Melting point</b>	-210°C/-346°F (Nitrogen)
<b>Boiling point / boiling range</b>	-196C/-321 °F(Nitrogen)
<b>Flash Point</b>	> 300 °C
<b>Evaporation Rate</b>	No data available
<b>Flammability (solid, gas)</b>	Not flammable
<b>Flammability limit in air</b>	
<b>Upper flammability limit:</b>	Not flammable
<b>Lower flammability limit:</b>	Not flammable
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	0.97 (Nitrogen)
<b>Specific gravity</b>	0.075 lb/ft3 @70°F as vapor (Nitrogen)
<b>Water Solubility</b>	0.02g/L (Nitrogen)
<b>Solubility in Other Solvents</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Kinematic viscosity</b>	No data available

## 10. Stability and Reactivity

### Chemical Stability

Stable under normal storage and handling conditions.

### Reactivity

No data available

### Possibility of hazardous reactions

Hazardous polymerization does not occur.

### Conditions to Avoid

Humidity, incompatible materials

### Incompatible Materials

Strong caustic materials, swimming pool sanitizers, other dry chemical fire extinguishing agents

### Hazardous decomposition products

Carbon Monoxide and Carbon Dioxide

## 11. Toxicological Information

### Information on Likely Routes of Exposure

#### Product information

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye Contact</b>	May cause irritation.
<b>Skin contact</b>	May cause irritation.
<b>Ingestion</b>	Ingestion may cause irritation to mucous membranes.

## Acute Toxicity

### Information on Toxicological Effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.  
**Germ Cell Mutagenicity** No information available  
**Carcinogenicity** No information available  
**Reproductive Toxicity** No information available.  
**STOT - Single Exposure** No information available.  
**STOT - Repeated Exposure** No information available.

**Aspiration Hazard** No information available.

## 12. Ecological Information

**Toxicity** Not classified

**Persistence and Degradability** No information available.

**Mobility in Soil** PK90 contains potassium bicarbonate which is a soil fertilizer/stabilizer

**Bioaccumulation** No information available.

**Other Adverse Effects** No information available

## 13. Disposal Considerations

### Waste Treatment Methods

**Disposal of wastes** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging** Do not reuse container.

## 14. Transport Information

**Safety Data Sheet information is intended to address a specific material and not various forms or states of containment.**

### Special Precautions for Shipping:

Individuals must be certified as Hazardous Material Shipper for all transportation modes. Pressurized Fire Extinguishers are considered a hazardous material by the US Department of Transportation and Transport Canada.

<b>DOT CFR 172.101 Data</b>	Fire extinguishers, 2.2, UN1044
<b>UN Proper Shipping Name</b>	Fire extinguishers
<b>UN Class</b>	(2.2)
<b>UN Number</b>	UN1044
<b>UN Packaging Group</b>	Not applicable
<b>Classification for AIR Transportation (IATA)</b>	Consult current IATA Regulations prior to shipping by air.
<b>Classification for Water Transport</b>	Consult current IMDG Regulations prior to shipping by water

### Transport IMDG

When shipping via ground, portable fire extinguishers pressurized to less than 241 psi and of less than 1100 cubic inches in size meet the requirements of "Limited Quantity" as referenced in 49 CFR 173.309 (2010). There is no limited quantity designation for fire extinguishers when shipped by air or water. This section is believed to be accurate at the time of preparation. It is not intended to be a complete statement or summary of the applicable laws, rules, or hazardous material regulations, and is subject to change. Users have the responsibility to confirm compliance with all laws, rules, and hazardous material regulations in effect at the time of shipping.

## 15. Regulatory Information

### International Inventories

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>ENCS</b>	Does not comply
<b>IECSC</b>	Does not comply
<b>KECL</b>	Does not comply
<b>PICCS</b>	Does not comply
<b>AICS</b>	Does not comply

### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**ENCS** - Japan Existing and New Chemical Substances **IECSC**  
 - China Inventory of Existing Chemical Substances **KECL** -  
 Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	No
<b>Chronic health hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

#### U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

## 16. Other information, including date of preparation of the last revision

NFPA

Health Hazards 1

flammability 0

Instability 0

Physical and chemical properties -

**HMIS**                      **Health Hazards 1**                      **flammability 0**                      **Physical Hazards 0**                      **Personal Protection X**

**Revision date**                      12/04/2024

**Revision note**  
No information available

**Disclaimer**

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

**End of Safety Data Sheet**