

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™ PKP MIL-SPEC

1. Identification

Product Identifier

Product name Rely FX™ PKP MIL-SPEC Dry Chemical Extinguishing Agent (pressurized and non-pressurized).

Other means of identification

Product code Model Number: PKP

Synonyms PKP, 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

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	Min 92%
Mica	12001-26-2	<5%
Talcum Powder	471-34-1	<5%
Clay	1332-58-7	<5%

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 ³ Respirable fraction 3 mg/m ³	15 mg/m ³ Respirable fraction 5 mg/m ³
Mica	TLV: 3mg/m ³ 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 4.0-4.5 (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

Vapor Density	0.97 (Nitrogen)
Specific gravity	0.075 lb/ft3 @70°F as vapor (Nitrogen)
Water Solubility	0.02g/L (Nitrogen)
Solubility in Other Solvents	No data available
Partition coefficient	No data available
Auto ignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic viscosity	No data available
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Partition coefficient	No data available
Auto ignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic viscosity	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

Inhalation	May cause irritation of respiratory tract.
Eye Contact	May cause irritation.
Skin contact	May cause irritation.
Ingestion	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 PKP contains potassium bicarbonate which is a soil fertilizer/stabilizer

Bioaccumulation No information available.

Other Adverse Effects No information available

14. 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.

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

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

Acute Health Hazard	No
Chronic health hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	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
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<u>NFPA</u>	Health Hazards 1	flammability 0	Instability 0	Physical and chemical properties -
<u>HMIS</u>	Health Hazards 1	flammability 0	Physical Hazards 0	Personal Protection X

Revision date 12/11/2024

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