

Safety Data Sheet (SDS)

Safety Data Sheet prepared in accordance with the 2024 OSHA Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labeling of Chemicals (GHS Revision 7)

Product name Eliminator Self Service, Reloadable PK Dry Chemical Fire Extinguisher

1. Identification

1.1. Product Identifier

Product name Eliminator Self Service, Reloadable PK Dry Chemical Fire Extinguisher

1.2. Other means of identification

Product code Model Number: SELF SERVICE 0930002

Synonyms BC90, Dry Chemical Fire Extinguisher, Potassium Bicarbonate, Purple K, Potassium Hydrogen Carbonate

Chemical Family No information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use Fire extinguishing agent B & C class fires

Uses advised against A, D, & K class fires

1.4. Details of the Supplier of the Safety Data Sheet

Company Name RUSOH Inc.
729 W La Cadena Dr,
Riverside, CA 92501

Contact point Customer Service Department at 1-800-318-2944
E-mail address contact@rusoh.com

1.5. 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

2.1. Classification

OSHA Regulatory Status : Non-Pressurized

This product is considered hazardous by the 2024 OSHA Hazard Communication Standard (29 CFR 1910.1200) and GHS Revision 7 due to the presence of Talc. Classification: Carcinogenicity - Category 2

2.2. Label Elements

Hazard statements

Warning H351 - Suspected of causing cancer (via inhalation of dust)

Precautionary Statements

Prevention – P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Response – P308 + P313 - IF exposed or concerned: Get medical advice/attention.

Storage – P405 - Store locked up.

Disposal – P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Hazards Not Otherwise Classified (HNOC)

Not Applicable.

3. Composition/information on Ingredients

3.1. Mixture

Chemical Name	CAS #	Concentration
Potassium Bicarbonate	298-14-6	90 +/- 3%
Mica	12001-26-2	<7%
Talcum Powder	14807-96-6	<5%
Methyl H polysiloxane	63148-57-2	<1%

4. First aid measures

4.1. 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	Administer large quantities of water to coherent victim and follow through with proper technique to induce vomiting. Seek medical advice thereafter.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms None known.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures

5.1. Suitable Extinguishing Media

Product is an extinguishing agent and is non-combustible.

5.2. Unsuitable Extinguishing Media

None.

5.3. Specific Hazards Arising from the Chemical

None in particular.

5.4. Explosion Data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

5.5. 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

6.1. 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.

6.2. Environmental Precautions

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

6.3. 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.

Methods for Cleaning Up Transfer into suitable container for disposal or recovery.

7. Handling and Storage

7.1. Precautions for Safe Handling

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

7.2. 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 and phosphate derived materials. Use care in handling/storage.

Incompatible Materials Strong caustic materials

8. Exposure Controls/Personal Protection

8.1. Control Parameters

Exposure guidelines

Chemical name	ACGIH TLV	OSHA PEL
Mica	3mg/m ³ per respirable fraction	20 mppcf, <1% crystalline silica
Talcum Powder	2 mg/m ³ (respirable particulate matter)	20 mppcf (or 2 mg/m ³ respirable fraction)
Particulates Not Otherwise Regulated (PNOR)	10 mg/m ³ (inhalable) / 3 mg/m ³ (respirable)	15 mg/m ³ (total dust) / 5 mg/m ³ (respirable fraction)

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

8.2. Appropriate Engineering Controls

Engineering controls Use adequate ventilation to keep airborne concentrations low

8.3. 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

8.4. 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

9.1. Information on basic physical and chemical properties

Physical State	powder
Odor	None
odor threshold	No data available
<u>Property</u>	<u>VALUES</u>
pH	8.8 (1.0% soln)
Melting point	>100 °C
Boiling point / boiling range	Not Applicable (Solid)
Flash Point	> 300 °C
Evaporation Rate	Not Applicable
flammability (solid, gas)	Non-flammable solid
Flammability limit in air	
Upper flammability limit:	Not Applicable
Lower flammability limit:	Not Applicable
Vapor Pressure	Not Applicable
Vapor Density	Not Applicable
Specific gravity	~2.17
Water Solubility	Soluble
Solubility in Other Solvents	No data available
Partition coefficient	No data available
Autoignition Temperature	Not Applicable
Decomposition Temperature	100-120°C(212-248°F)
Kinematic viscosity	Not Applicable
Particle characteristics	Fine powder

10. Stability and Reactivity

10.1. Chemical Stability

Stable under normal storage and handling conditions.

10.2. Reactivity

No data available

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Conditions to Avoid

Humidity, incompatible materials

10.5. Incompatible Materials

Strong caustic materials

10.6. Hazardous decomposition products

Carbon Monoxide and Carbon Dioxide

11. Toxicological Information

11.1. 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

11.2. Information on Toxicological Effects

Symptoms No information available.

11.3. 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	Talc (CAS 14807-96-6) was reclassified in July 2024 by the International Agency for Research on Cancer (IARC) as Group 2A.
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

12.1. Toxicity Not classified

12.2. Persistence and Degradability No information available.

12.3. Mobility in Soil BC90 contains potassium bicarbonate which is a soil fertilizer

12.4. Bioaccumulation No information available.

12.5. Other Adverse Effects No information available

13. Disposal Considerations

13.1. 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

DOT

NOT REGULATED

TDG

NOT REGULATED

MEX

NOT REGULATED

15. Regulatory Information

15.1. 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

15.2. 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

Health Hazard

Carcinogenicity

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

15.3. US State Regulations

U.S. State Right-to-Know Regulations

Mica (CAS 12001-26-2) and Talc (CAS 14807-96-6) are listed on the Right-to-Know hazardous substance lists for New Jersey, Pennsylvania, and Massachusetts.

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

<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	06/16/2026			

Revision note: Comprehensive update to comply with 2024 OSHA Hazard Communication Standard (GHS Rev. 7). Updated hazard classification and added Talc carcinogenicity data (IARC Group 2A). Updated State Right-to-Know declarations, corrected CAS numbers, added exposure limit data, and updated physical property terminology (including Particle characteristics).

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