FIRST ALERT® TUNDRA™

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 18 June 2020 Supersedes: 20 June 2018 Version: 2.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Trade name : FIRST ALERT® EZ FIRE SPRAY™

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Fire extinguishing spray tool

1.3. Supplier

BRK Brands, Inc. (First Alert)
3901 Liberty Street Road
Aurora, IL 60504
Phone: 630-851-7330
Fax: 630-851-8205

1.4. Emergency telephone number

Emergency number : CHEMTREC: Within USA and Canada 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Gases under pressure Compressed gas Contains gas under pressure; may explode if heated

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning

Hazard statements (GHS US) : Contains gas under pressure; may explode if heated

Precautionary statements (GHS US) : Protect from sunlight. Store in a well-ventilated place.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Carbonic acid, dipotassium salt	(CAS-No.) 584-08-7	3.6	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. If breathing stops, give artificial respiration. If experiencing respiratory symptoms, call a doctor.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention if irritation develops.

First-aid measures after eye contact : Rinse eyes with water as a precaution. Seek medical attention if irritation develops.

First-aid measures after ingestion : Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Seek medical attention if ill effect develops.

4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Thermal decomposition can lead to the release of irritating gases and vapors.

Explosion hazard : Contains gas under pressure; may explode if heated.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Prolonged exposure to fire may cause containers to rupture/explode. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate unnecessary personnel. Provide adequate ventilation to minimize dust and/or vapor concentrations. Stop leak if safe to do so.

6.1.1. For non-emergency personnel

Protective equipment : Wear personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Avoid breathing dust, mist or spray.

6.1.2. For emergency responders

Protective equipment : Wear recommended personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Avoid breathing dust, mist or spray.

6.2. Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of residues refer to section 13 : "Disposal considerations". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Contains gas under pressure; may explode if heated. Damaged cylinders should be handled by specialists only.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Keep only in the original container in a cool well ventilated place. Keep the cylinders at vertical position, fixed to the wall or other solid structure. Keep container closed when not in use. Keep out of sunlight. Protect from freezing. Keep out of reach of children.
Incompatible materials	:	Strong oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

FIRST ALERT® TUNDRA™
No additional information available

Carbonic acid, dipotassium salt (584-08-7)
No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls	:	Use only outdoors or in a well-ventilated area.
Environmental exposure controls	:	Do not allow uncontrolled discharge of product into the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Impermeable protective gloves.

Eye protection:

Chemical goggles or safety glasses.

Respiratory protection:

Not necessary under the recommended storage and handling conditions. In case of insufficient ventilation, wear suitable respiratory equipment

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Clear.
Color	:	Yellow
Odor	:	Characteristic slight
Odor threshold	:	No data available
pH	:	10.5 – 11.5
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	Not applicable. This product is a fire extinguishing agent
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	Not applicable.
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	No data available
Solubility	:	Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	Does not ignite
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available

Explosive properties	:	Contains gas under pressure; may explode if heated.
Oxidizing properties	:	Not oxidising.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Protect from freezing. Keep out of direct sunlight. Keep away from heat.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified (On basis of test data)
Acute toxicity (dermal)	:	Not classified (On basis of test data)
Acute toxicity (inhalation)	:	Not classified (On basis of test data)

FIRST ALERT® TUNDRA™	
LD50 oral rat	> 5 ml/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 2.1 mg/l/4h

Carbonic acid, dipotassium salt (584-08-7)	
LD50 oral rat	1870 mg/kg

Skin corrosion/irritation	:	Not classified (On basis of test data) pH: 10.5 – 11.5
Serious eye damage/irritation	:	Not classified (On basis of test data) pH: 10.5 – 11.5
Respiratory or skin sensitization	:	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	:	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	:	Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	:	Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	:	Not classified (Based on available data, the classification criteria are not met)

Carbonic acid, dipotassium salt (584-08-7)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure	:	Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	:	Not classified (Based on available data, the classification criteria are not met)
Viscosity, kinematic	:	No data available
Potential Adverse human health effects and symptoms	:	Not expected to present a significant hazard under anticipated conditions of normal use.
Other information	:	Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	:	The product has not been tested.

Carbonic acid, dipotassium salt (584-08-7)	
EC50 Daphnia 1	630 mg/l (Exposure time: 48 h - Species: Ceriodaphnia dubia)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the ozone layer : No additional information available

Other information : Do not allow uncontrolled discharge of product into the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1950 Aerosols, 2.2

UN-No.(DOT) : UN1950

Proper Shipping Name (DOT) : Aerosols

Class (DOT) : 2.2 - Class 2.2 - Non-flammable compressed gas 49 CFR 173.115

Hazard labels (DOT) : 2.2 - Non-flammable gas



Transportation of Dangerous Goods

Transport document description : UN1950 AEROSOLS, 2.2

UN-No. (TDG) : UN1950

Proper Shipping Name (Transportation of Dangerous Goods) : AEROSOLS

TDG Primary Hazard Classes : 2.2 - Class 2.2 - Non-Flammable, Non-Toxic Gas

Transport by sea

Transport document description (IMDG) : UN 1950 AEROSOLS, 2.2

UN-No. (IMDG) : 1950

Proper Shipping Name (IMDG) : AEROSOLS

Class (IMDG) : 2 - Gases

Air transport

Transport document description (IATA) : UN 1950 Aerosols, non-flammable, 2.2

UN-No. (IATA) : 1950

Proper Shipping Name (IATA) : Aerosols, non-flammable

Class (IATA) : 2

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Carbonic acid, dipotassium salt (584-08-7)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Carbonic acid, dipotassium salt (584-08-7)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Carbonic acid, dipotassium salt (584-08-7)
Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on KECL/KECI (Korean Existing Chemicals Inventory) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date	:	18 June 2020
Data sources	:	Manufactorer Information.
Other information	:	None.

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.