

ABC Fire Extinguisher

Issue date: 24th October 2019

1. Product and Company Identification

Material name	ABC Fire Extinguisher
Version	02
Revision Date	24 th , October 2019
CAS #	Mixture
Product use	Fire Extinguisher
Manufacturer / Importer / Supplier	
Name	Lehavot Production & Protection (1995) Ltd.
Address	Kibbutz Lehavot Habashan - Upper Galilee - 1212500 - ISRAEL
Phone	+972 4 6905020
Internet	www.lehavot.com
Emergency Phone Number	972 4 7771900 Rambam Hospital – 972 4 8541900

2. Hazard Identification

Emergency Overview	WARNING
	Irritating to eyes and skin
OSHA regulatory status	This product is considered hazardous under 29CFR 1910.1200 (Hazard Communication)
Potential health effects	
Routes of exposure	Eye contact. Skin contact. Inhalation. Ingestion.
Eyes	Avoid contact with eyes. Contact with eyes may cause irritation.
Skin	Avoid contact with the skin. May cause skin irritation.
Inhalation	Inhalation of dusts may cause respiratory irritation.
Ingestion	Not a likely route of entry.
Target organs	Eyes. Respiratory system. Skin.
Signs and symptoms	Irritation of eyes and mucous membranes.

3. Composition / Information on Ingredients

Mixtures, Dry extinguishing powder on Nitrogen pressurized cylinders

Further Information

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Dry extinguishing powder

Monoammonium Phosphate 7722-76-1	>50%
Ammonium Sulphate 7783-20-2	<40%
Hydrophilic precipitated Silica 7631-89-9	1-3%
Mica 12001-26-2, 310-127-6	1-3%
Silicone Oil 63148-57-2	<1%

Liquified Nitrogen (N₂)

Nitrogen 7727-37-9	>99%
Maximum impurities	<1%

4. First Aid Measures

First Aid procedures

Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.
Skin contact	Wash off with warm water and soap. Get medical attention if irritation develops and persists.
Inhalation	Move to fresh air. Get medical attention, if needed.
Ingestion	Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Notes to physician	Symptoms may be delayed.
General advice	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material (s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

5. Fire Fighting Measures

Flammable properties	No unusual fire or explosion hazards noted.
Extinguishing media	
Suitable extinguishing	
Media	This product is not flammable. Use extinguishing agent suitable for type of surrounding fire.
Protection of firefighters	
Specific hazards arising from the chemical	None known.

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Hazardous combustion

Products Carbon monoxide and carbon dioxide.

6. Accidental Release Measures

Personal precautions Local authorities should be advised if significant spillages cannot be contained. Avoid inhalation of dust from the spilled material. Wear a dust mask if dust is generated above exposure limits.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods for containment If sweeping of a contaminated area is necessary use a dust suppressant agent which does not react with the product. Prevent entry into waterways, sewer, basements or confined areas.

Methods for cleaning up Should not be released into the environment. Sweep up or vacuum up spillage and collect in suitable container for disposal. Collect dust using a vacuum cleaner equipped with HEPA filter. Avoid dust formation. Following product recovery, flush area with water.

Other information Clean up in accordance with all applicable regulations.

7. Handling and Storage

Handling Keep formation of airborne dusts to a minimum. Do not breathe dust. Avoid contact with eyes. Do not use in areas without adequate ventilation. Wear personal protective equipment. Wash thoroughly after handling.

Storage Keep container tightly closed. Guard against dust accumulation of this material. Use care in handling/storage.

8. Exposure Controls / Personal Protection

Exposure limits (EH40)

CAS No.	Substance	ppm	mg/m ³	Fibers/ml	Category	Origin
1332-58-7	Kaolin respirable dust	-	2		TWA (8h)	WEL
		-	-		STEL (15 min)	WEL

Exposure controls

Appropriate

Engineering controls If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Protective and Avoid generation of dust.

Hygiene measures

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Eye/face protection	Avoid eye contact with vapor, spray, or mist. Wear vented goggles.
Hand protection	Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: Butyl rubber.
Skin protection	Avoid skin contact.
Respiratory	In case of dust or aerosol formation use respirator with filter model P2/FFP2 (according to DIN 3181-1980) protection.
Environmental Exposure controls	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

9. Physical & Chemical Properties

Appearance

Form	Powder.
Color	Yellow / White / Blue
Odor	Odorless
Physical state	Solid, Dry extinguishing powder
pH-Value (at 20°C)	4.1 – 4.6 (10% sol.)
Melting point	Not available
Freezing point	Not available
Boiling point	Not available
Flash Point	Not available
Evaporation rate	Not available
Flammability limits in air	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	Not available
Relative density	0.83 – 0.98 g/cm ³
Solubility (water)	Not available
Partition coefficient	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
VOC	Not available

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10. Chemical Stability & Reactivity Information

Chemical Stability	Material is stable under recommended conditions of storage, use and temperature
Incompatible material	Strong acids.
Hazardous decomposition	
Products	Carbon oxides.

11. Toxicological Information

Information on toxicological effects

Acute toxicity	Based on available data; the classification criteria are not met.
Irritation and	Based on available data, the classification criteria are not met.
Corrosivity	Based on available data, the classification criteria are not met.
Sensitizing effects	
Carcinogenic/Mutagenic/toxic effects for reproduction	
	This product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.
STOT-single exposure	Based on available data; the classification criteria are not met.
STOT-repeated Exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data; the classification criteria are not met.
Local effects	components of the product may be absorbed into the body through the skin. Contact may irritate or burn eyes

12. Ecological Information

Toxicity	There are no data available on the mixture itself.
Persistence and degradability	There are no data available on the mixture itself.
Bio accumulative potential	There are no data available on the mixture itself.
Mobility in soil	There are no data available on the mixture itself.
Other adverse effects	There are no data available on the mixture itself.

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13. Disposal Considerations

Disposal Instructions This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40CFR 261.4(b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.

Waste from residues/
unused Products Dispose of in accordance with local regulations.

14. Transport Information

Basic shipping requirements:

UN number	UN1044
Proper shipping name	Powder Fire extinguishers – ABC Powder Type
Hazard class	2.2 – Non-Flammable gas

Additional information:

Special provisions	18, 110
Packaging exceptions	309
Packaging non bulk	309
Packaging bulk	None
ERG number	126



DOT



ADR/RID

15. Regulatory Information

Safety, health and environmental regulation specific for the substance or mixture

EU regulation information

Information according to 2010/18/EU (SEVESO III) Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water contaminating class (D) 1-slightly water contaminating

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Chemical safety assessment

For this mixture a chemical safety assessment has been carried out.

16. Other Information

Relevant H and EUH statements (number and full text)

EUH208	Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one. May produce an allergic reaction.
EUH210	Safety data sheet available on request.
HMIS ratings	Health: 1 Flammability: 0 Instability: 0
NFPA ratings	Health: 1 Flammability: 0 Instability: 0

Further information

The above information describes exclusively the safety requirements of the product and is based on our present day-knowledge. The information is intended to give you advice about safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor`s safety data sheet)

Fire Extinguishing Powder

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