



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

E FIRE BALL

Date of SDS : 13.04.2023
Revision No. : 2

Date of revision : 20.01.2025
SDS Number : GBF - 4493

1- IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

1.1- Substance/Mixture Identifier

Product Name : E FIRE BALL

1.2- Relevant identified uses of the substance advised against

Identified uses : Fire Fighting Material

1.3- Details of the supplier of the safety data sheet

Company : E Fire USA
Address : 3867 Danbury Rd. Brewster, NY 10509
: 866-354-3387
Tel :
Fax : info@efireusa.com
E-mail

1.4- Emergency telephone number

866-354-3387

2- HAZARDS IDENTIFICATION

2.1- Classification of the substance or mixture:

Physical hazards Not classified.

Health hazards Not classified.

Environmental hazards Not classified.

Hazard summary Not classified for health hazards. However, occupational exposure to the mixture or substance(s) may cause adverse health effects.

2.2- Label elements (according to EC 1272/2008):

Hazard pictograms None

Signal word None

Hazard statements The mixture does not meet the criteria for classification.

Precautionary statements

Prevention Observe good industrial hygiene practices.

Response Wash hands after handling.

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements.

2.3- Other hazards

The product does not present a danger during normal contact.

When the unit is activated, the active chemical may cause temporary slight irritation of the mucosa area if inhaled.

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3- COMPOSITION/INFORMATION ON INGREDIENTS

3.2- Mixture

Components:

Chemical name	CAS No.	EC No.	%	Classification
Mono Ammonium Phosphate	7722-76-1	231-764-5	91	Not Classified

Note: The full text for all H-statements is displayed in section 16.

4- FIRST AID MEASURES

4.1- Description of first aid measures

- Inhalation** : Remove to fresh air, lay on the ground and let it rest. Apply artificial respiration if breathing is not available. Oxygen may be given, but only under the supervision of a trained person.
- Eye contact** : In case of contact with eyes, rinse immediately with clean water for 10-15 minutes. Seek medical attention.
- Skin contact** : Wash skin with soap and water and rinse thoroughly. Remove contaminated clothing and shoes. Wash clothes before reuse.
- Ingestion** : Drink plenty of water. If symptoms persist, consult a doctor.

4.2- Most important symptoms and effects, both acute and delayed

Not known.

4.3- Indication of any immediate medical attention and special treatment needed

Special treatment was not recommended. Treat according to symptoms.

5- FIRE FIGHTING MEASURES

5.1- Extinguishing Media

- Product flammability** : The product is not flammable.
- Suitable extinguishing media** : All types of fire extinguishers are used. Adapt the fire precautions to the nearest materials. This is a fire-fighting equipment.

5.2- Special hazards arising from the substance or mixture

Material does not create an explosion hazard. May be ignited by a fire. Hot gases are formed at points close to the device.

5.3- Advice for firefighters

Wear personal protective equipment and clothing in the event of a fire.

6- ACCIDENTAL RELEASE MEASURES

6.1- Personal precautions, protective equipment and emergency procedures

Gloves can be used when needed.

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If these tools are to be poured, they must be hand-picked in a safe manner and inspected for possible damage before repackaging. Suspected or damaged substances must be labeled and shipped to ensure correct disposal.

It is mechanically cleaned.

7- HANDLING AND STORAGE

7.1- Precautions for safe handling

Avoid contact with eyes and skin.

Wash hands before breaks, eating, smoking and at the end of work. Avoid touching your eyes and skin.

Do not breathe dust.

Use gloves.

Warnings for fire and explosion protection

No special measures are required.

7.2- Conditions for safe storage, including any incompatibilities

Products should be stored in their original packaging in a dry, cool and well-ventilated place.

7.3- Specific end use(s)

Fire Extinguisher

8- EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1- Control parameters

Contains no substances with occupational exposure limit values.

8.2- Exposure controls

Engineering Controls : Use general ventilation or local exhaust systems.

Limit values required to be monitored at the workplace : The product does not contain critical materials requiring monitoring in the work environment.

General protective cleaning measures : Wash hands before breaks and at the end of work.

Respiratory protection : Wear suitable respiratory protection if necessary.

Hand/Skin Protection : Rubber, leather, latex, knitted and polyurethane coating according to EN 374 standard, nitrile, PVC, neoprene. Wear gloves.

Eye protection : Wear suitable protective eyewear or chemical protective goggles.

9- PHYSICAL AND CHEMICAL PROPERTIES

9.1- Information on basic physical and chemical properties

Appearance : Solid, spherical

Colour : According to product specification

Odour : Odourless

Melting point/Melting range (°C) : Not applicable

Boiling Point/Boiling range (°C) : Not applicable

Flammability, (°C) : No data available

Vapor density : Not applicable

Flash point (°C) : Not applicable

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Explosion Limits in Air (% vol.)	: Not applicable
Auto Ignition Temperature (°C)	: Not applicable
Explosive properties	: The product is not explosive. Contains black powder fuse.
Solubility in water	: Not soluble.
General appearance	: There is no crack, tear and leak in the extinguishing agent.

9.2- Diğer bilgiler

No data available.

10- STABILITY AND REACTIVITY

10.1- Reactivity

No specific test data is available for this product. For more information see later in this chapter.

10.2- Chemical stability

It is stable under normal temperature conditions and under recommended conditions of use.

10.3- Possibility of hazardous reactions

Avoid contact with organic solvents.

10.4- Conditions to avoid

Not available under recommended storage and handling conditions (see section 7).

10.5- Incompatible materials

No data available.

10.6- Hazardous decomposition products

Under normal storage and use conditions, no hazardous decomposition products should be produced.

11- TOXICOLOGICAL INFORMATION

11.1- Information on toxicological effects

Acute toxicity

Chemical name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Mono Ammonium Phosphate	> 2000 mg/kg	> 5000 mg/kg	> 5 mg/L 4 h

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or Skin Sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenity

No data available.

Reproductive toxicity

No data available.

Specific Target Organ Toxicity - Single Exposure

No data available.

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Specific Target Organ Toxicity - Repeated Exposure

No data available.

Aspiration Hazard

No data available.

12- ECOLOGICAL INFORMATION

The product is not classified as dangerous for the environment. However, it does not exclude the possibility that large or frequent spills will have harmful or harmful effects on the environment.

12.1- Toxicity

Chemical Name	EINECs No	CAS No	Content, %	Ecotoxicity in water			Biodegra dability	Bioaccumulation	
				Fish	Daphnia	Algae		BCF	Log Pow
Mono Ammonium Phosphate	231-818-8	7757-79-1	91	LC50: > 85,9 mg/l 96 Hr	No data	EC50: > 97,1 mg/l 72 Hr	No data	No data	No data

12.2- Persistence and degradability

No data available.

12.3- Bioaccumulative potential

No data available.

12.4- Mobility in soil

No data available.

12.5- Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6- Other adverse effects

No data available.

13- DISPOSAL CONSIDERATIONS

13.1- Waste treatment methods

Residual waste

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14- TRANSPORT INFORMATION

Product is not classified as dangerous in the meaning of transport regulations (ADR/RID, ADN, IMDG and ICAO/IATA).

14.1- UN number	Not regulated
14.2- UN proper shipping name	Not regulated
14.3- Transport hazard class(es)	Not regulated
14.4- Packing Group	Not regulated
14.5- Environmental hazard	Not regulated
14.6- Special precautions for user	None

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14.7- Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

15- REGULATORY INFORMATION

15.1- Safety, health and environmental regulations/legislations specific for the substance or mixture

- Regulation (EC) No 1907/2006, (REACH),
- Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006,
- Regulation (EC) No 1272/2008 (CLP),
- Commission Directive 2006/15/EC,
- Commission Directive 2000/39/EC.
- ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

16- OTHER INFORMATION

16.1- List of abbreviations:

ADR European Agreement Concerning the Int. Carriage of Dangerous Goods by Road

CLP Regulation of Classification, Labelling and Packaging of Chemicals

IATA International Air Transport Association

ICAO International Civil Aviation Organization

IMDG International Maritime Code for Dangerous Goods

RID International Rule for Transport of Dangerous Substances by Railway

STEL Short Term Exposure Limit

TWA Time Weighted Average

16.2- Preparing/Editing/Issuing of the Safety Data Sheet:

Manufacturer:

YG Yangın Güvenliği San. ve Dış. Ltd. Şti.

Expert Certificate No: 11544-KDU07

16.3- Disclaimer:

The information in this document is based on the best available information. This information applies only to the specified substance/preparation and may not apply if this substance/preparation is mixed with other substances/preparations or if used in any other process.

The information contained in this document does not constitute a guarantee for the features of the product and does not constitute a legally binding agreement/contractual relationship. This document completes the technical documentation but cannot be replaced. The information given is based on our information on this product at the time of publication. It is based on good intentions.