



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878 & according to OSHA Hazard Communication Standard, 29 CFR 1910.1200

E-FIRE BALL

Date of SDS : 4/13/2023
Revision No. : 2

Date of revision : 11/13/2023
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

Tel : 866-354-3387
Fax : n/a
E-mail : info@efireusa.com

1.4- Emergency telephone number

866-354-3387

2- HAZARDS IDENTIFICATION

2.1- Classification of the substance or mixture:

Classification according to REACH Regulation (EC) 1907/2006 & OSHA Hazard Communication Standard, 29 CFR

Harmful to aquatic life with long lasting effects, Category 3, H412

Notes: For the full text of the H sentences mentioned in this Section, see Section 16.

2.2- Label elements:

Labelling according to REACH Regulation (EC) 1907/2006 & OSHA Hazard Communication Standard, 29 CFR

GHS Pictograms None

Hazard statements

H412 Harmful to aquatic life with long lasting effects

Precautionary statements

Prevention

P273 Avoid release to the environment.

Disposal

P501 Dispose of contents/container to a hazardous or special waste collection point in accordance with local, regional, national and / or international regulations

2.3- Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0.1%.

The product does not contain substances with endocrine disrupting properties in concentration \geq 0.1%.

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3- COMPOSITION/INFORMATION ON INGREDIENTS

3.2- Mixture

Components:

Chemical name	CAS No.	EC No.	%	Classification
Monoammonium Phosphate	7722-76-1	231-764-5	91	Aquatic Chronic 3, H412

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

6.1.1. For non-emergency personnel

Gloves are used when needed. Ventilate spillage area.

6.1.2. For emergency responders

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Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection"

6.2- Environmental precautions

Avoid release to the environment.

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 and face 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

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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
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.

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Carcinogenity

No data available.

Reproductive toxicity

No data available.

Specific Target Organ Toxicity - Single Exposure

No data available.

Specific Target Organ Toxicity - Repeated Exposure

No data available.

Aspiration Hazard

No data available.

12- ECOLOGICAL INFORMATION

The product is classified as dangerous for the environment. Harmful to aquatic life with long lasting effects, Category 3, H412.

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).

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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
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

REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances.

REACH Candidate List (SVHC)

Contains no REACH candidate substance

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Drug Precursors Regulation (273/2004)

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

TSCA

CAS# 7722-76-1 is listed on the TSCA inventory.

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances

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None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 7722-76-1: acute.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 7722-76-1 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Prop 65

California No Significant Risk Level: None of the chemicals in this product are listed.

16- OTHER INFORMATION

16.1- Full text of any H-statements not written out in full under Sections 2 to 15

H412 Harmful to aquatic life with long lasting effects

16.2- 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 **16.3-**

Manufacturer:

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

16.4- Disclaimer:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable