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
   Address : 4.Levent Sanayi Bölgesi Yeşilce Mah. Ulubaş Cad. Dostluk Sok. No: 12-1 Daire No: 6-7 Kağıthane/Istanbul/Turkey
   Tel : +90 212 210 62 06
   Fax : +90 212 210 62 07
   E-mail : info@ygyangin.com

1.4- Emergency telephone number
   +90 212 210 62 06

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:
   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 ≥ than 0.1%.
   The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.
3- COMPOSITION/INFORMATION ON INGREDIENTS

3.2- Mixture

Components:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>%</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monoammonium Phosphate</td>
<td>7722-76-1</td>
<td>231-764-5</td>
<td>91</td>
<td>Aquatic Chronic 3, H412</td>
</tr>
</tbody>
</table>

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
Safety Data Sheet

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

E-FIRE BALL

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/PERSOAL 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
E-FIRE BALL

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

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ORAL LD₅₀ (rat)</th>
<th>DERMAL LD₅₀ (rabbit)</th>
<th>INHALATION LC₅₀ (rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mono Ammonium Phosphate</td>
<td>&gt; 2000 mg/kg</td>
<td>&gt; 5000 mg/kg</td>
<td>&gt; 5 mg/L 4 h</td>
</tr>
</tbody>
</table>

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.
Safety Data Sheet

E-FIRE BALL

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EINECS No</th>
<th>CAS No</th>
<th>Content, %</th>
<th>Ecotoxicity in water</th>
<th>Biodegradability</th>
<th>Bioaccumulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mono Ammonium Phosphate</td>
<td>231-818-8</td>
<td>7757-79-1</td>
<td>91</td>
<td>LC50: &gt; 85.9 mg/l 96 Hr</td>
<td>No data</td>
<td>No data</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EC50: &gt; 97,1 mg/l 72 Hr</td>
<td>No data</td>
<td>No data</td>
</tr>
</tbody>
</table>

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).
## E-FIRE BALL

<table>
<thead>
<tr>
<th>Section</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1</td>
<td>UN number</td>
</tr>
<tr>
<td>14.2</td>
<td>UN proper shipping name</td>
</tr>
<tr>
<td>14.3</td>
<td>Transport hazard class(es)</td>
</tr>
<tr>
<td>14.4</td>
<td>Packing Group</td>
</tr>
<tr>
<td>14.5</td>
<td>Environmental hazard</td>
</tr>
<tr>
<td>14.6</td>
<td>Special precautions for user</td>
</tr>
<tr>
<td>14.7</td>
<td>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</td>
</tr>
</tbody>
</table>

### 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)**

- **Drug Precursors Regulation (273/2004)**

- **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 depletors.

This material does not contain any Class 2 Ozone depletors.

**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.

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

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

www.msdshazirlama.com

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.