



**TOROS TARIM**  
**SAFETY DATA SHEET**

**Mono Ammonium Phosphate (12-52-0)**

According to Regulation (EU) No 2015/830

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

**Product name** Mono Ammonium Phosphate (12-52-0)  
**Product description** Inorganic chemical fertilizer

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Identified uses** It is used as fertilizer in agricultural applications.

**1.3. Details of the supplier of the safety data sheet**

**Manufacturer** Center: Toros Tarım Sanayi ve Ticaret A.Ş.  
Tekfen Tower Büyükdere Cad. No:209  
34394 4. Levent Şişli / İstanbul  
T: +90 212 357 02 02  
F: +90 212 357 02 31  
[www.toros.com.tr](http://www.toros.com.tr)

**1.4. Emergency telephone number**

Samsun Production Facilities: Tel: +90 362 256 09 80

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1. Classification of the substance or mixture**

**Classification (EC 1272/2008)**

Physical and Chemical Hazards	Not classified.
Human health	Not classified.
Environment	Not classified.

**2.2. Label elements**

**Label In Accordance With (EC) No. 1272/2008**

Not Classified. No pictogram is required.

**Hazard Statements**

Not classified.

**Precautionary Statements**

Not classified.

**2.3. Other hazards**

**Inhalation** : May cause respiratory tract irritation.  
**Skin contact** : May cause slight irritation.  
**Eye contact** : May cause irritation.  
**Ingestion** : Ingestion of small amounts of toxic junk. In case of ingestion in high quantities, may cause gastrointestinal disturbances.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

This product does not contain any substance which may be considered hazardous to the health and environment, according to the current legislation (EU No.1272/2008 and EU No.2015/830). Also does not contain any substance with known exposure limit.



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**Composition Comments**

- The data shown are in accordance with the latest EC Directives.

**SECTION 4: FIRST AID MEASURES**

**4.1. Description of first aid measures**

**Inhalation**

Wash your nose and mouth with plenty of water. Remove to fresh air. Get medical attention if any discomfort continues.

**Ingestion**

Rinse mouth thoroughly with water. If a large amount is swallowed, get medical attention if any discomfort continues.

**Skin contact**

Wash with soap and water. Get medical attention if any discomfort continues.

**Eye contact**

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Continue to rinse get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**

**Inhalation** : May cause upper respiratory tract irritation.

**Ingestion** : May cause nausea, vomiting.

**Skin contact** : May cause irritation.

**Eye contact** : Slight irritation, redness may occur.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

**Extinguishing media:** This product is not flammable. Water, carbon dioxide, foam and dust should be used.

**Unsuitable fire extinguishers:** No data available

**5.2. Special hazards arising from the substance or mixture**

**Specific hazards**

In case of fire, toxic gases may be formed. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Ammonia gas, phosphorus oxides, nitrogen oxides.

**5.3. Advice for firefighters**

**Special Fire Fighting Procedures**

Avoid breathing fire vapours. Fight the from a safety distance if it is possible. Clear fire area of all non-emergency personnel. Move container from fire area if it can be done without risk. Dike and collect extinguishing water.

**Protective equipment for fire-fighters**

Use respiratory protective equipment and full protective clothing in case of fire.  
Face mask, protective gloves and safety helmet.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet.  
Avoid inhalation of dust. Avoid dust formation.

**6.2. Environmental precautions**

Avoid discharge into water courses or onto the ground. In case of spills or discharges to the water source, it is necessary to apply to the relevant environmental agency or other appropriate inspection centers immediately.



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#### **6.3. Methods and material for containment and cleaning up**

**Large Spillages:** Vacuum the spillages if it is possible. If not, collect with a shovel, broom or similar tool.

**Small Spillages:** Remove small spills with vacuum cleaner.

#### **6.4. Reference to other sections**

For personal protection, see section 8.

See section 11 for additional information on health hazards.

For waste disposal, see section 13.

### **SECTION 7: HANDLING AND STORAGE**

#### **7.1. Precautions for safe handling**

Do not eat, drink or smoke when using the product. Avoid dust formation. In case of dust formation use appropriate mask.  
Protect from direct sunlight.

#### **7.2. Conditions for safe storage, including any incompatibilities**

Store in a dry, cool place in tightly closed original packaging. Keep away from moisture. Keep away from food, drinks and animal feed. Protect yourself from direct sunlight.

#### **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

#### **8.1. Control parameters**

The product doesn't contain any product with exposure limits.

#### **8.2. Exposure controls**

##### **Protective equipment**



##### **Process conditions**

Provide eyewash, quick drench.

##### **Engineering measures**

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of dust.

##### **Respiratory equipment**

If ventilation is insufficient, suitable respiratory protection must be provided.

##### **Hand protection**

Use protective gloves made of: Rubber, neoprene or PVC. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

##### **Eye protection**

Wear dust resistant safety goggles where there is danger of eye contact.

##### **Hygiene measures**

Wash hands after contact. Change work clothing daily before leaving work place. Wash contaminated clothing before reuse.  
When using do not eat, drink or smoke.

##### **Skin protection**

Wear apron or protective clothing in case of splashes.



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**Environmental Exposure Controls**

Please act in accordance with local and national laws.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

Appearance	Solid. Granular.
Colour	White/ Brown
Odour	Odourless
Solubility @20°C	No data available.
Boiling point	No data available.
Melting Point	No data available.
Relative density	No data available.
pH-Value	No data available.
Vapour pressure @20°C	No data available.
Molecular weight	No data available.
Decomposition temperature	No data available.
Partition Coefficient (N-octanol/water)	No data available.
Oxidative properties	Not oxidizer
Explosive properties	Not explosive

**9.2. Other information**

No information required.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity**

Stable under normal temperature conditions and recommended use.

**10.2. Chemical stability**

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

**10.3. Possibility of hazardous reactions**

No polymerization occurs.

**10.4. Conditions to avoid**

Avoid exposure to high temperatures or direct sunlight.

**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

None under normal circumstances. When overheated or reaction with acid, produce ammonia gas.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**Acute toxicity**

LD 50, Oral – rat >2000 mg/kg (Method: Calculation)



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**Skin corrosion/irritation**

Based on available data the classification criteria are not met. May cause skin irritation.

**Serious eye damage/irritation**

Based on available data the classification criteria are not met. May causes eye irritation.

**Respiratory or skin sensitisation:**

Based on available data the classification criteria are not met.

**Carcinogenicity**

Based on available data the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data the classification criteria are not met.

**Reproductive Toxicity**

Based on available data the classification criteria are not met.

**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 Toxicity**

Based on available data the classification criteria are not met.

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**SECTION 12: ECOLOGICAL INFORMATION**

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**12.1. Toxicity**

Based on available data the classification criteria are not met.

**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 PBT or vPvB substances.

**12.6. Other adverse effects**

It should not be released into the environment.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**13.1. Waste treatment methods**

Avoid access to water sources and channels.  
Dispose of empty packaging and product waste in accordance with local regulations.  
The Environmental Officer will be informed about all major spillages.

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**SECTION 14: TRANSPORT INFORMATION**

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**General**     The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).



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**14.1. UN number**

Not available.

**14.2. UN proper shipping name**

Not available.

**14.3. Transport hazard class(es)**

Not available.

**14.4. Packing group**

Not available.

**14.5. Environmental hazards**

**Environmentally Hazardous Substance/Marine Pollutant**  
No.

**14.6. Special precautions for user**

Not available.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not available.

**SECTION 15: REGULATORY INFORMATION**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716).

**Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply.  
Safety Data Sheets for Substances and Preparations.

**Guidance Notes**

Workplace Exposure Limits EH40.  
CHIP for everyone HSG(108).

**EU Legislation**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures.  
Regulation (EC) No 1907/2006.

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION**

**Abbreviations and acronyms used in the safety data sheet**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.  
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
IATA: International Air Transport Association.  
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
IMDG: International Maritime Dangerous Goods.  
CAS: Chemical Abstracts Service.  
LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
PBT: Persistent, Bioaccumulative and Toxic substance.  
vPvB: Very Persistent and Very Bioaccumulative.



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**Revision Comments**

This is the first issue.

**Issued By**

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**Issued Note**

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