



# **Gromax Enterprises Corp.**

17335 Daimler Street, Irvine , CA 92614

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## **Material safety Data Sheet**

### **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

#### **1.1 Product identifier**

Product name: Crystalline II type ammonium polyphosphate  
REACH Reg. No.: No registration number is given.  
CAS No.: 68333-79-9

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

Identified uses: Mainly used in intumescent fire retardant coatings and polyurethane foam, also be used in the flame retardance of fiber, wood and rubber products.  
Uses advised against: No information available.

#### **1.3 Details of the supplier of the SDS**

Company Name: **Gromax Enterprises Corporation**  
Manufacturing Address: 17335 Daimler Street Irvine, CA 92614  
Contact Phone Number: +1 800-343-3508  
Fax: +1 714-891-1037  
Company Website: <http://www.gromaxchemical.com/>

#### **1.4 Emergency telephone number**

+1 800-343-3508

### **SECTION 2: Hazards identification**

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

**Classification according to Regulation (EC) No 1272/2008[CLP]**

This product is not classified as hazardous.

**Classification according to Directive 67/548/EEC[DSD] or Directive 1999/45/EC[DPD]**

This product is not classified as hazardous.

#### **2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008[CLP]**

**Hazard pictogram(s):** No pictogram is used.

**Signal word:** No signal word is used.

**Hazard statement(s):** No hazard statement.

**Precautionary statement(s):** No precautionary statement.

**Supplemental Hazard information (EUH):**

No information available.

**Special rules for supplemental label elements for certain mixtures:**



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No information available.

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## **2.3 Other hazards**

No information available.

## **SECTION 3: Composition/information on ingredients**

### **3.1 Substance/Preparation information**

Substance name:	Ammonium polyphosphate
Index No.:	Not listed.
CAS No.:	68333-79-9
EC No.:	269-789-9
Purity:	> 99

## **SECTION 4: First aid measures**

### **4.1 Description of first aid measures**

#### **General notes:**

In all cases of doubt, or when symptoms persist, seek medical attention.

#### **Following inhalation:**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you feel unwell.

#### **Following skin contact:**

Wash with soap and plenty of water. If skin irritation occurs: Get medical attention.

#### **Following eye contact:**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

#### **Following ingestion:**

Rinse mouth. Never give anything through mouth to an unconscious person. Call a POISON Center or doctor if you feel unwell.

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

No information available.

### **4.3 Indication of the immediate medical attention and special treatment needed**

No information available.

## **SECTION 5: Fire-fighting measures**



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## **5.1 Extinguishing media**

**Suitable extinguishing media:** CO<sub>2</sub>, foam, dry powder.

**Unsuitable extinguishing media:** No information available.

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

Thermal decomposition may lead to release of irritating or toxic gases/vapors.

## **5.3 Advice for fire-fighters**

Wear self-contained breathing apparatus and chemical-protective clothing. Prevent fire extinguishing water from contaminating surface water or the ground water system.

## **SECTION 6: Accidental release measures**

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

Refer to SECTION 8 for personal protective equipment. Prevention of skin and eye contact. Ensure adequate ventilation. Remove all sources of ignition.

### **6.2 Environmental precautions**

Do not discharge into drains/surface waters/groundwater.

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

Pick up mechanically. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### **6.4 Reference to other SECTIONS**

See SECTION 7 for information on safe handling.

See SECTION 8 for information on personal protection

equipment. See SECTION 13 for information on disposal.

## **SECTION 7: Handling and storage**

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

Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Use this material with adequate ventilation. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash before reuse.

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

Keep container tightly closed and in a cool, well-ventilated place. Keep away from heat and ignition sources.

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



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Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

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## SECTION 8 : Exposure controls/personal protection

### 8.1 Control parameters

**Occupational exposure limit values:**

Not established.

**DNEL (Derived No Effect Level) for workers and the general population:**

Not available.

**PNEC (Predicted No Effect Concentration) values:**

Not available.

### 8.2 Exposure controls

**Appropriate engineering controls:**

Provide local exhaust or process enclosure ventilation system.

**Personal protective equipment:**

Eye and face protection: Wear protective eye/face protection.

Skin protection: Wear protective gloves/clothing to prevent contact.

Respiratory protection: In case of inadequate ventilation wear respiratory protection.

**Environmental exposure controls:**

Do not empty into drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	White Solid
<b>Odor:</b>	Odorless
<b>pH:</b>	5.5-7.0
<b>Melting point:</b>	Not available.
<b>Boiling point:</b>	Not available.
<b>Flash point:</b>	Not available.
<b>Evaporation rate:</b>	Not available.
<b>Flammability (solid, gas):</b>	Not flammable.
<b>Upper/lower flammability or explosive limits:</b>	Not available.
<b>Vapour pressure:</b>	Not available.
<b>Density:</b>	About 1.9 Kg/L
<b>Solubility(ies):</b>	≤ 0.5 g/100cm <sup>3</sup>
<b>Partition coefficient: n-octanol/water:</b>	Not available.
<b>Auto-ignition temperature:</b>	Not available.
<b>Decomposition temperature:</b>	Thermal decomposition ≥285°C
<b>Viscosity:</b>	≤ 80 mpa.s



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**Explosive properties:** Not available.  
**Oxidising properties:** Not available.

## 9.2 Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage and handling conditions (see SECTION 7, handling and storage).

### 10.2 Chemical stability

Stable under normal conditions of use.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Flames, sparks, and other sources of ignition.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

Thermal decomposition may lead to release of irritating or toxic gases/vapors.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

<b>Acute toxicity</b>	<b>Oral, LD<sub>50</sub> :</b>	No data available.
	<b>Inhalation, LC<sub>50</sub>:</b>	No data available.
	<b>Dermal, LD<sub>50</sub>:</b>	No data available.
<b>Skin corrosion/irritation:</b>		No information available.
<b>Serious eye damage/irritation:</b>		No information available.
<b>Respiratory or skin sensitization:</b>		No information available.
<b>Germ cell mutagenicity:</b>		No information available.
<b>Carcinogenicity:</b>		No information available.
<b>Reproductive toxicity:</b>		No information available.



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**STOT-single exposure:** No information available.  
**STOT-repeated exposure:** No information available.  
**Aspiration hazard:** No information available.

## **SECTION 12: Ecological information**

### **12.1 Toxicity**

**Ecotoxicity Fish, LC50:** No data available.  
**Crustacea, EC<sub>50</sub>:** No data available.  
**Algae, EC<sub>50</sub>:** No data available.

### **12.2 Persistence and degradability**

No information available.

### **12.3 Bioaccumulative potential**

No information available.

### **12.4 Mobility in soil**

No information available.

### **12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

### **12.6 Other adverse effects**

No information available.

## **SECTION 13: Disposal considerations**

### **13.1 Waste treatment methods**

Disposal must be made according to local and national regulations. Empty containers should be taken for local recycling, recovery or waste disposal.

## **SECTION 14:Transport information**

### **14.1 UN Number**

Not regulated as dangerous goods.

### **14.2 UN proper shipping name**

Not regulated as dangerous goods.



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## 14.3 Transport hazard class(es)

Not regulated as dangerous goods.

## 14.4 Packing group

Not regulated as dangerous goods.

## 14.5 Environmental hazards

Not marine pollutant.

## 14.6 Special precautions for user

No information available.

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

No information available.

## SECTION 15: Regulatory information

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

#### EU regulation:

*Authorisations:* No information available.  
*Restrictions on use:* No information available.  
*EINECS:* CAS# 68333-79-9 is listed in.  
*DSD (67/548/EEC):* CAS# 68333-79-9 is not listed in.

#### Other chemical regulation:

CAS No.	USA TSCA	Canada DSL	Australia AICS	Korea ECL	Japan ENCS	China IECSC
68333-79-9	Listed	Listed	Listed	Listed	Not Listed	Listed

Remark: The above-mentioned search results are based on the Non-Confidential Inventory.

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this product.

## SECTION 16: Other information

### 16.1 Revision Information

Date of the previous revision: Not applicable. Date of this revision: 17/04/2013.  
Revision summary: The first new SDS

### 16.2 Abbreviations and acronyms

**CLP:** EU regulation (EC) No 1272/2008 on classification, labelling and packaging of chemical substances and mixtures.  
**CAS:** Chemical Abstracts Service (division of the American Chemical Society).



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- EINECS:** European Inventory of Existing Commercial Chemical Substances.
- DSD:** Dangerous Substance Directive (67/548/EEC).
- TSCA:** Toxic Substances Control Act, The American chemical inventory.
- DSL:** Domestic Substances List, The Canadian chemical inventory.
- AICS:** The Australian Inventory of Chemical Substances.
- ECL:** Existing Chemicals List, the Korean chemical inventory.
- ENCS:** Japanese Existing and New Chemical Substances.
- IECSC:** Inventory of existing chemical substances in China.

### **16.3 Key literature references and sources for data**

Provided by company.

### **16.4 Relevant R-phrases/H-statements**

Not applicable. This product is not classified as hazardous substance/mixture.

### **16.5 Training advice**

Provide adequate information, instruction and training for operators.

### **16.6 Declare to reader**

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage. According to REACH Article 31(5), the SDS shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market, unless the recipient Member State(s) concerned provide otherwise. It should also be noted that this SDS is applicable to the countries with English as an official language.