

Grabber Construction Products  
MSDS for Phosphate

**MATERIAL SAFETY DATA SHEET**

May be used to comply with  
OSHA'S Hazard Communication Standard  
29 CFR 1910, 1200 Standard must be  
consulted for specific requirements.  
IDENTITY (As Used on Label and List)

**PHOSPHATE**

**Section 1 - MANUFACTURER**

Name: Arphar Industrial Co., Ltd.

Address: No. 475 Da Tong Road  
Lu-Chu, Kaohsiung Hsien  
Tiawan, R.O.C.

**Section II - HAZARDOUS INGREDIENTS**

Hazardous Components  
(Specific Chemical Identity:)  
Common Name (s)  
Chemical Analysis, unit %  
Phosphate Acid: 35  
Zinc Oxide: 15  
Water: 29  
Nitric Acid: 20  
Other: 1

**U.S. DEPARTMENT OF LABOR**

Occupational Safety and Health  
Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 128-0072  
Note: Blank spaces are not permitted  
If any item is not applicable or no  
information is available, the space  
must be marked to indicate that

Emergency Phone: 885-7-6978846

Information Phone: 886-7-6978846

Date Prepared  
Signature of Preparer

OSHA PEL	ACGIH TLV	% (Optional)
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**Section III - Physical / Chemical**

**Characteristics**

Specific Gravity (H2O - 1):	1.58+/- 0.02g/cm3
Melting Point:	Not applicable
Evaporation (Butyl Acetate):	1 - 3 %
Boiling Point:	Not determined
Vapor Pressure (mm Hg):	25 degrees c = 1.0 atm
Vaport Density (AIR - 1):	12 s
Solubility in Water:	Soluble
Appearance and Odor:	Solid / no odor

**Section IV - Fire & Explosion Hazard Date**

Flash Point (Method Used):	Flammable Limits Nonflammable	LEL Product is not self igniting	None
Extinguishing Media:	Not Applicable		
Special Fire Fighting Procedures:	None		
Unusual Fire and Explosion Hazards: (Reproduce Locally)	None		

### Section V

Stability:  
Conditions to Avoid:  
Incompatibility (Materials to Avoid)  
Hazardous Decomposition or Byproducts  
Hazardous  
Polymerization:

### Reactivity Data

Stable  
No decomposition if used according to specifications

Will Not Occur

### Section VI

Route(s) of Entry:  
Health Hazards (Acute and Chronic)  
Nonflammable or Combustible Steel Products in  
the Solid State:

Carcinogenicity:

Signs and Symptoms of Exposure:  
Medical Conditions Generally Aggravated  
by Exposure:  
Emergency and First Aide Procedures

### Health Hazard Data

Inhalation/none	Skin/none	Ingestion/n/a
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Present no fire or explosion hazard and do not  
contribute to the combustion of other materials

NTP/none	IARC Monographs	SHA Regulated
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None  
None

None  
Not applicable

### Section VII

Steps to Be Taken in Case Material is  
Released or Spilled:  
Waste Disposal Method:

Precautions to Be Taken In Handling and Storing:

Other Precautions:

### Precautions for Safe Handling and Use

Not applicable  
Dispose of substance in accordance with the related  
laws and regulations  
Wash your hands after handling  
Avoid storing substance in an area with elevated  
temperatures or humidity  
Don't put screws in your mouth  
At temperatures above the melting point, oxide fumes  
of zinc and alloying elements may be  
released

### Section VIII

Respiratory Protection (Specify Type)  
Ventilation:

Protective Gloves:  
Eye Protection:  
Other Protective Clothing or Equipment:

Work/Hygienic Practices

### Control Measures

Local Exhaust/none	Special/none	(General) Mechanical/ none
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Other/none  
Rubber gloves  
Safety glasses  
Install a washstand in the workshop for washing  
hands