



## MSDS for Black 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)

### BLACK PHOSPHATE

Section 1 - MANUFACTURER  
Name: Jau Yeou Industry Co.

Address: 100 Chiahsin E. Rd  
Kangshan, Kaohsiung  
Taiwan R.O.C.

### 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: 886-7-386-0381

Information Phone: 886-7-621-1759

Date Prepared:  
Signature of Preparer (Optional)

### Section II - HAZARDOUS INGREDIENTS

Hazardous Components  
(Specific Chemical Identity):  
Common Name (s)  
Chemical Analysis - Unit %  
Orthophosphoric Acid:

OSHA PEL	ACGIH TLV	% (Optional)
50		

### Section III - Physical / Chemical

Characteristics

Specific Gravity:	(H2O - 1) :	1.55+ 0.01
Melting Point:	Not Applicable	
Evaporation	(Butyl Acetate):	
Boiling Point:	103 Degrees C	
Vapor Pressure (mm Hg):	(mm Hg)	
Vapor Density	(AIR - 1):	
Solubility in Water:	Dissolution 100%	
Appearance and Odor: (solid or liquid)	Odor/none	Color/green

### Section IV - Fire & Explosion Hazard Date

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



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### Section V

Stability:

Incompatibility (Materials to Avoid)  
Hazardous Decomposition or Byproducts  
Hazardous  
Polymerization

### Section VI

Route(s) of Entry:  
Health Hazards (Acute and Chronic)  
Nonflammable or combustible steel products in the solid state (screw):

Carcinogenicity:

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

Ingestion:

### 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:

### Reactivity Data

Stable                      No decomposition if used according to specifications

May Occur  
Will not occur

### Health

#### Hazard Data

Inhalation/none    Skin/Yes                      Ingestion/yes

Present no fire or explosion hazard and do not contribute to the combustion of other materials  
NTP/none                      IARC                      SHA Regulated  
None                      Monographs  
None

None

Immediately flush skin with water for 15 minutes - If no relief is felt - seek medical treatment  
Wash the mouth clean with water - give the patient water to drink - if the patient vomits - immediately give him more water - if no relief is felt - seek medical treatment.

### Precautions for Safe Handling and Use

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



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### Section VIII

Respiratory Protection (Specify Type) (General)  
Ventilation:

Protective Gloves:

Eye Protection:

Other Protective Clothing or Equipment:

### Control Measures

Local Exhaust/ none	Special/ none	Mechanical/ none
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Rubber Gloves

Safety Glasses

Install a washstand in workshop for washing hands