

# MATERIAL SAFETY DATA SHEET

## EM SCIENCE

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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**Manufacturer.....:**

EM SCIENCE  
A Division of EM Industries  
P.O. Box 70  
480 Democrat Road  
Gibbstown, N.J. 08027

**Preparation Date.:** 8/10/93

**Information Phone Number.:** 856-423-6300

**Hours:** Mon. to Fri. 8:30-5

**Chemtrec Emergency Number:** 800-424-9300

**Hours:** 24 hrs a day

**Catalog Number(s):**

SX0725 SX0730 6577 6578

**Product Name:**

Sodium Phosphate, Tribasic

**Synonyms:**

Trisodium Phosphate, Sodium Phosphate Tribasic

**Chemical Family:**

Inorganic Salt

**Formula:**

$\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$

**Molecular Weight.:**

380.12

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

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Component	CAS #	Appr %
Sodium Phosphate, Tribasic	10101-89-0	100%

### 3. HAZARDS IDENTIFICATION

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#### EMERGENCY OVERVIEW

MAY CAUSE EYE INJURY.  
CAUSES SKIN IRRITATION.  
MAY BE HARMFUL IF SWALLOWED.

**Appearance:**

Colorless, odorless crystals

**POTENTIAL HEALTH EFFECTS (ACUTE AND CHRONIC)**

**Symptoms of Exposure:**

Irritating on contact with skin, eyes or mucous membranes. May be harmful if swallowed. Contact with eyes may cause burns.

**Medical Cond. Aggravated by Exposure:**

Data not available.

**Routes of Entry:**

Inhalation, ingestion or skin contact.

**Carcinogenicity:**

The material is not listed (IARC, NTP, OSHA) as cancer causing agent.

**4. FIRST AID MEASURES**

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**Emergency First Aid:**

GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE.

Skin: Wash thoroughly with soap and water.

Eyes: Immediately flush thoroughly with water for at least 15 minutes.

Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped.

Ingestion: Get immediate medical attention.

**5. FIRE FIGHTING MEASURES**

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**Flash Point (F):** Noncombustible

**Flammable Limits LEL (%):** N/A

**Flammable Limits UEL (%):** N/A

**Extinguishing Media:**

Use any suitable for adjacent material.

**Fire Fighting Procedures:**

Wear self-contained breathing apparatus.

**Fire & Explosion Hazards:**

Thermal decomposition produces toxic fumes.

## 6. ACCIDENTAL RELEASE MEASURES

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### Spill Response:

Evacuate the area of all unnecessary personnel. Wear suitable protective equipment listed under Exposure / Personal Protection. Eliminate any ignition sources until the area is determined to be free from explosion or fire hazards. Contain the release and eliminate its source, if this can be done without risk. Take up and containerize for proper disposal as described under Disposal. Comply with Federal, State, and local regulations on reporting releases. Refer to Regulatory Information for reportable quantity and other regulatory data.

## 7. HANDLING AND STORAGE

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### Handling & Storage:

Keep container closed. Store at controlled room temperature. Do not breathe dust. Do not get in eyes, on skin, or on clothing.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### ENGINEERING CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT:

~~See ACCIDENTAL RELEASE MEASURES for Engineering Controls and PPE. Refer to 0188633-16-022 for PPE.~~

If there are no exposure limit numbers listed in the Exposure Guidelines chart, this indicates that no OSHA or ACGIH exposure limits have been established.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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**Boiling Point (C 760 mmHg) : N/A**

**Melting Point (C) : 75C Decomposes**

**Specific Gravity (H<sub>2</sub>O = 1) : 1.62**



If there is no information listed on the regulatory information chart, this indicates that the chemical is not covered by the specific regulation listed.

## 15. OTHER INFORMATION

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### Comments:

None

### NFPA Hazard Ratings:

Health : 1  
Flammability : 0  
Reactivity : 0  
Special Hazards :

**Revision History:** 8/1/81 8/24/81 6/16/87 10/27/87  
1/9/89 3/1/91

| = Revised Section

N/A = Not Available

N/E = None Established

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