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MSDS Material Safety Data Sheet

CAS 7558-79-4

File Name : EM-SX0720-1.asp

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name	Sodium Phosphate, Dibasic, Anhydrous,	SX0720
		Product Code
	GR	
	EMD Chemicals Inc.	
Manufacturer		Effective Date 3/9/2006
	P.O. Box 70	
		3/13/2006
		Print Date
	480 Democrat Road	
	Gibbstown, NJ 08027	
	Prior to January 1, 2003 EMD Chemicals Inc. was EM	
	Industries, Inc. or EM Science, Division of EM Industries,	
	Inc.	

For More Information Call

856-423-6300 Technical Service

Monday-Friday: 8:00 AM - 5:00 PM

In Case of Emergency Call

800-424-9300 CHEMTREC (USA)

613-996-6666 CANUTEC (Canada)

24 Hours/Day: 7 Days/Week

DISODIUM PHOSPHATE; DISODIUM HYDROGEN PHOSPHATE

Synonym

Analytical reagent.

Material Uses

Inorganic salt.

Chemical Family

Section 2. Composition and Information on Ingredients

Component	CAS #	% by Weight
Sodium Phosphate, Dibasic, Anhydrous	7558-79-4	100

+ Section 3. Hazards Identification

Solid. (Granular solid. Powdered solid.)

Physical State and

Appearance

CAUTION!

Emergency Overview

CAUSES SEVERE EYE IRRITATION.  
CAUSES RESPIRATORY TRACT AND SKIN IRRITATION.  
CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING ORGANS:  
MUCOUS MEMBRANES, SKIN, EYES.  
MAY BE HARMFUL IF SWALLOWED.

Inhalation. Ingestion.

#### Routes of Entry

#### Potential Acute Health Effects

Eyes Extremely hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.

Skin Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Inhalation Hazardous in case of inhalation (lung irritant).

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Sodium Phosphate, Dibasic,  
Anhydrous, GR

SX0720

Ingestion May be hazardous in case of ingestion.

#### Potential Chronic Health Effects

Carcinogenic Effects This material is not known to cause cancer in animals or humans.

Additional information See Toxicological Information (section 11)

Repeated or prolonged exposure is not known to aggravate medical condition.

#### Medical Conditions

Aggravated by

Overexposure:

#### Section 4. First Aid Measures

Check for and remove any contact lenses. In case of contact, immediately flush eyes with

#### Eye Contact

plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while

#### Skin Contact

removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult,

#### Inhalation

give oxygen. Get medical attention immediately.

#### Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Section 5. Fire Fighting Measures

May be combustible at high temperature.

Flammability of the

## Product

Not available.

## Auto-ignition

## Temperature

Not available.

## Flash Points

Not available.

## Flammable Limits

Some metallic oxides.

## Products of Combustion

Not available.

## Fire Hazards in Presence

## of Various Substances

Risks of explosion of the product in presence of static discharge: No.

## Explosion Hazards in

## Presence of Various

## Substances

Risks of explosion of the product in presence of mechanical impact: No.

SMALL FIRE: Use DRY chemical powder.

## Fire Fighting Media

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

## and Instructions

Protective Clothing (Fire) Be sure to use an approved/certified respirator or equivalent.

Not available.

## Special Remarks on Fire

## Hazards

Not available.

## Special Remarks on

## Explosion Hazards

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## Section 6. Accidental Release Measures

Use appropriate tools to put the spilled solid in a convenient waste disposal container.

## Small Spill and Leak

Use a shovel to put the material into a convenient waste disposal container.

## Large Spill and Leak

No specific spill kit required for this product.

## Spill Kit Information

## Section 7. Handling and Storage

Do not ingest. Avoid breathing dust. Avoid contact with skin and clothing. Do not get in eyes.

Handling

Keep container closed.

Keep container in a cool, well-ventilated area.

Storage

Section 8. Exposure Controls/Personal Protection

Use process enclosures, local exhaust ventilation, or other engineering controls to keep

Engineering Controls

airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection

Eyes Splash goggles.

Body Lab coat.

Respiratory Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

Hands Gloves.

Feet Not applicable.

Protective Clothing

(Pictograms)

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing

Personal Protection in

apparatus should be used to avoid inhalation of the product. Suggested protective clothing

Case of a Large Spill

might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits

Product Name

Not available.

Sodium Phosphate, Dibasic, Anhydrous

Section 9. Physical and Chemical Properties

Odorless.

Odor

White.

Color

Solid. (Granular solid. Powdered solid.)

Physical State and  
Appearance

141.96 g/mole

Molecular Weight

H-04-P.2Na

Molecular Formula

Not available.

pH

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Sodium Phosphate, Dibasic,  
Anhydrous, GR SX0720

Not available.

Boiling/Condensation

Point

Not available.

Melting/Freezing Point

Not available.

Specific Gravity

Vapor Pressure

Not available.

Not available.

Vapor Density

Not available.

Odor Threshold

Not available.

Evaporation Rate

Not available.

LogKow

Soluble in water.

Solubility

## Section 10. Stability and Reactivity

The product is stable.

Stability and Reactivity

Not available.

Conditions of Instability

Reactive with organic materials, metals.

Incompatibility with

Various Substances

Not available.

Rem/Incompatibility

Hazardous Decomposition Not available.

Products

Hazardous Polymerization Will not occur.

## Section 11. Toxicological Information

Sodium Phosphate, Dibasic, Anhydrous

RTECS Number:

WC4500000

LD50: Not available.

Toxicity

LC50: Not available.

Not available.

Chronic Effects on  
Humans

Extremely hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by

Acute Effects on Humans

redness, watering, and itching. Hazardous in case of skin contact (irritant). Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. Hazardous in case of inhalation (lung irritant). May be hazardous in case of ingestion.

Synergetic Products  
(Toxicologically)

Not available.

Irritancy

Draize Test (Rabbit):

Eyes: 500mg/24h. Reaction: Mild.

Skin: 500 mg/24h mild

Sensitization

Not available.

Carcinogenic Effects

This material is not known to cause cancer in animals or humans.

Toxicity to Reproductive  
System

Not available.

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Anhydrous, GR

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Teratogenic Effects

Not available.

Mutagenic Effects

Not available.

Section 12. Ecological Information

Not available.

Ecotoxicity

Not available.

BOD5 and COD

Toxicity of the Products of The products of degradation are less toxic than the product itself.

Biodegradation

Section 13. Disposal Considerations

Not available.

EPA Waste Number

Material does not have an EPA Waste Number and is not a listed waste, however consultation

Treatment

with a permitted waste disposal site (TSD) should be accomplished. Always contact a permitted waste disposal (TSD) to assure compliance with all current local, state, and Federal Regulations.

Section 14. Transport Information

Not available.

DOT Classification

Not available.

TDG Classification

Not available.

IMO/IMDG

Classification

Not available.

ICAO/IATA

Classification

Section 15. Regulatory Information

TSCA 8(b) inventory: Sodium Phosphate, Dibasic, Anhydrous

U.S. Federal Regulations

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: Sodium Phosphate, Dibasic, Anhydrous

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Sodium Phosphate, Dibasic, Anhydrous: Immediate (Acute) Health Hazard

SARA 313 toxic chemical notification and release reporting: No products were found.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: Sodium Phosphate, Dibasic, Anhydrous

Clean air act (CAA) 112 accidental release prevention: No products were found.

Clean air act (CAA) 112 regulated flammable substances: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

WHMIS Class D-2B: Material causing other toxic effects (TOXIC).

WHMIS (Canada)

CEPA DSL: Sodium Phosphate, Dibasic, Anhydrous

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all required information.

International Regulations

Sodium Phosphate, Dibasic, Anhydrous 231-448-7

EINECS

R37/38- Irritating to respiratory system and skin.

DSCL (EEC)

R41- Risk of serious damage to eyes.

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Sodium Phosphate, Dibasic,

SX0720

Anhydrous, GR

International Lists Australia (NICNAS): Sodium Phosphate, Dibasic, Anhydrous

Japan (MITI): Sodium Phosphate, Dibasic, Anhydrous

Korea (TCCL): Sodium Phosphate, Dibasic, Anhydrous

Philippines (RA6969): Sodium Phosphate, Dibasic, Anhydrous

China: No products were found.

State Regulations

Pennsylvania RTK: Sodium Phosphate, Dibasic, Anhydrous: (environmental hazard, generic environmental hazard)

Massachusetts RTK: Sodium Phosphate, Dibasic, Anhydrous

New Jersey: Sodium Phosphate, Dibasic, Anhydrous

California prop. 65: No products were found.

Section 16. Other Information

National Fire

Fire Hazard

Protection

0

1 0

Association

Health

Reactivity

(U.S.A.)

Specific Hazard

Changed Since Last +

Revision

Notice to Reader

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**ALL Chemical Property And Toxicity Analysis PAGES IN THIS GROUP**

NAME	CAS
<a href="#">EM-SX0715-7.asp</a>	N/A
<a href="#">EM-SX0718-1.asp</a>	N/A
<a href="#">EM-SX0718-20.asp</a>	N/A
<a href="#">EM-SX0718-3.asp</a>	N/A
<a href="#">EM-SX0720-1.asp</a>	7558-79-4
<a href="#">EM-SX0720-20.asp</a>	7558-79-4
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Trading Lead

Leputech HPLC Laboratory

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