

Sodium Dihydrogen Phosphate

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name	Sodium Dihydrogen Phosphate	Product Code	6370
Manufacturer	EMD Chemicals Inc. P.O. Box 70 480 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.	Effective Date	3/3/2003
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
Synonym	MONOSODIUM DIHYDROGEN PHOSPHATE		
Material Uses	Analytical reagent.		
Chemical Family	Inorganic		

Section 2. Composition and Information on Ingredients

Component	CAS #	% by Weight
SODIUM DIHYDROGEN PHOSPHATE	7558-80-7	100

Section 3. Hazards Identification

Physical State and Appearance	Solid.
Emergency Overview	CAUTION! CAUSES EYE IRRITATION.
Routes of Entry	Inhalation. Ingestion.
Potential Acute Health Effects	
Eyes	Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.
Skin	No known acute effects of this product resulting from skin contact.
Inhalation	No known acute effects of this product resulting from inhalation.
Ingestion	No known acute effects of this product resulting from ingestion.
Potential Chronic Health Effects	
Carcinogenic Effects	This material is not known to cause cancer in animals or humans.
Medical Conditions Aggravated by Overexposure:	Additional information See Toxicological Information (section 11) Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. In case of contact, immediately
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flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

Skin Contact

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Section 5. Fire Fighting Measures

Flammability of the Product Non-flammable.

Auto-ignition Temperature Not applicable.

Flash Points Not applicable.

Flammable Limits Not applicable.

Products of Combustion Not available.

Fire Hazards in Presence of Various Substances Not applicable.

Explosion Hazards in Presence of Various Substances **Risks of explosion of the product in presence of static discharge:** No.

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

Fire Fighting Media and Instructions Not applicable.

Protective Clothing (Fire) Not applicable.

Special Remarks on Fire Hazards Not available.

Special Remarks on Explosion Hazards Not available.

Section 6. Accidental Release Measures

Small Spill and Leak Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill and Leak Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Spill Kit Information No specific spill kit required for this product.

Section 7. Handling and Storage

Handling Avoid contact with eyes. Wash thoroughly after handling. Do not ingest.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls Use process enclosures, local exhaust ventilation, or other engineering controls to keep 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 Wear appropriate respirator when ventilation is inadequate.

Hands Not applicable.

Feet Not applicable.

Protective Clothing

(Pictograms)

Personal Protection in Case of a Large Spill Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Product Name	Exposure Limits
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SODIUM DIHYDROGEN PHOSPHATE	Not available.
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Section 9. Physical and Chemical Properties

Odor Not available.

Color Not available.

Physical State and Appearance Solid.

Molecular Weight 119.98 g/mole

Molecular Formula H₂-O₄-P.Na

pH Not available.

Boiling/Condensation Point Not available.

Melting/Freezing Point Not available.

Specific Gravity Not available.

Vapor Pressure Not available.

Vapor Density Not available.

Odor Threshold Not available.

Evaporation Rate Not available.

LogKow Not available.

Solubility Soluble in water.

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Conditions of Instability Not available.

Incompatibility with Various Substances Not available.

Rem/Incompatibility Not available.

Hazardous Not available.

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Decomposition

Products

Hazardous Will not occur.

Polymerization

Section 11. Toxicological Information

RTECS Number:

Sodium Dihydrogen Phosphate WA1900000

Toxicity Acute oral toxicity (LD50): 8290 mg/kg [Rat].

Chronic Effects on Humans Not available.

Humans

Acute Effects on Humans Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching. Non-hazardous in the case of ingestion.

Synergetic Products (Toxicologically) Not available.

Irritancy Draize Test: Not available.

Sensitization Not available.

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

Toxicity to Reproductive System Not available.

Reproductive System

Teratogenic Effects Not available.

Mutagenic Effects Not available.

Section 12. Ecological Information

Ecotoxicity Not available.

BOD5 and COD Not available.

Toxicity of the Products of Biodegradation The product itself and its products of degradation are not toxic.

Section 13. Disposal Considerations

EPA Waste Number Not available.

Treatment

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

DOT Classification Proper Shipping Name: CHEMICALS, N.O.S.

RQ: Not applicable.

TDG Classification Not available.

IMO/IMDG Classification Proper Shipping Name: CHEMICALS, N.O.S.

RQ: Not applicable.

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ICAO/IATA Classification

Proper Shipping Name: CHEMICALS,
N.O.S.
RQ: Not applicable.

Section 15. Regulatory Information

U.S. Federal Regulations

TSCA 8(b) inventory: SODIUM DIHYDROGEN PHOSPHATE

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: No products were found.

SARA 311/312 MSDS distribution – chemical inventory – hazard identification: No products were found.

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: No products were found.

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 (Canada)

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

CEPA DSL: SODIUM DIHYDROGEN PHOSPHATE

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

EINECS

SODIUM DIHYDROGEN PHOSPHATE 231–449–2

DSCL (EEC)

R41– Risk of serious damage to eyes.

International Lists

Australia (NICNAS): SODIUM DIHYDROGEN PHOSPHATE

Japan (MITI): SODIUM DIHYDROGEN PHOSPHATE

Korea (TCCL): SODIUM DIHYDROGEN PHOSPHATE

Philippines (RA6969): SODIUM DIHYDROGEN PHOSPHATE

China: No products were found.

State Regulations

No products were found.

California prop. 65: No products were found.

Section 16. Other Information

**National Fire
Protection
Association
(U.S.A.)**

**0 Fire
10 Hazard
Health
Reactivity**

Changed Since Last
Revision +
Notice to Reader

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