SODIUM PHOSPHATE, TRIBASIC

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(CAUTION	IARY RESPO	NSE INFORMATIO	DN	 	4. FIRE HAZARDS
Common Synonyms Solid, crystals Dri-tri Trisodium orthophosphate Trisodium phosphate		Colorless or white h water.	Odorless	4.2	Flash Point: Not pertinent Flammable Limits in Air: Not flammable Fire Extinguishing Agents: Use appropriate extinguishing media for sup- pression of exoosure fire.	
Wear goggl	e away. AVO es, self-conta health and po	ID CONTACT WITH S ined breathing appara llution control agencie	itus, and rubber overclothing (i	ncluding gloves).	4.5	Fire Extinguishing Agents Not to Be Used: Not pertinent Special Hazards of Combustion Products: Not pertinent
Fire	NOT FLAM	IABLE.				Behavior in Fire: At fire temperature decomposes to emit highly toxic and irritating phosphorus oxides. Auto Ignition Temperature: Not pertinent
Exposure CALL FOR MEDICAL AID. DUST. Irritating to eyes, nose, throat and Move to fresh air. If breathing is difficult, give oxyge IF IN EYES, hold eyelids open an SOLID. Will burn skin and eyes. Harmful if swallowed. Remove contaminated clothing or Flush affected areas with plenty of IF IN EYES, hold eyelids open an IF SWAL I.OWED and victim is Cd			ficial respiration. n. d flush with plenty of water. shoes. f water.	water or milk and	4.8 4.9 4.10 4.11 4.12 4.13	Electrical Hazards: Not pertinent Burning Rate: Not flammable Adiabatic Flame Temperature: Currently not available Stoichometric Air to Fuel Ratio: Not pertinent. Flame Temperature: Currently not available Combustion Molar Ratio (Reactant to Product): Not pertinent. Minimum Oxygen Concentration for Combustion (MOCC): Not listed 5. CHEMICAL REACTIVITY
Water Pollution	Dangerous t May be dan Notify local	induce vomiting. o aquatic life in high o gerous if it enters wat nealth and wildlife offi- tors of nearby water	er intakes. cials.		5.2 5.3	Reactivity with Water: No reaction Reactivity with Common Materials: No reaction Stability During Transport: Stable Neutralizing Agents for Acids and
						Caustics: Not pertinent Polymerization: Not pertinent
1. CORRECTIVE RESPONSE ACTIONS Dilute and disperse Stop discharge Chemical and Physical Treatment: Neutralize 3. HEALTH H			2.1 CG Compatibility Gro 2.2 Formula: NasPOa 3.3 IMO/UN Designation: 2.4 DOT ID No.: Not listed 5.5 CAS Registry No.: C 2.6 NAERG Guide No.: 1 52363 AZARDS nd boots, safety goggles or fa	Not listed I urrently not available 71 rade Classification :	6.2	6. WATER POLLUTION Aquatic Toxicity: 151 ppmy96 hr/mosquito fish/TL _m /Turbid water 126 ppmy96 hr/daphnia magna/TL _m . Waterfowl Toxicity: Currently not available Biological Oxygen Demand (BOD): Currently not available
3.2 Symptoms Foll burning sen may be note conjuctival i including re- INGESTIOD pain and bu Tissue corr 3.3 Treatment of E antificial res 15 min, if p clothing. IN this doesn't given for th this doesn't given for th 3.5 TLV-STEL: Not 3.6 TLV-Ceiling: No 3.7 Toxicity by Inge 3.8 Toxicity by Ingh 3.9 Chronic Toxicit 3.10 Vapor (Gas) Irr 3.11 Liquid or Solid	owing Expos sation in the re- adion in the re- dimensional state of the re- product of the re- set of the re- dimension of the re- ter of the re-ter of the re- ter of the re-ter of t	 ure: INHALATION: W ose and throat, as we lung irritation. EYE meal clouding. Catar g and irritation, follow ue damage to all port r contact is made. N ration may result if u medical aid. INHAL S: Wash with running available. SKIN: W duce vonting by givi g, induce. Continue fect. 1; LD₅₀ = 0-15 g/kg. ntly not available. eristics: Not pertiner ics: Severe skin irrita us to the eyes. 	TION: Remove from exposur water for 15 min. Continue in sah with running water. Remov ng large amounts of water or v until vomitus is clear. Milk, eg	e respiratory tract. A ncentrations, choking) followed by te local reactions, the skin. Symptoms include diarrhea may occur. e. If needed, give rigation for additional e contaminated arm salty water. If gs or olive oil may be		Food Chain Concentration Potential: None GESAMP Hazard Profile: Not listed NO

8.2 49 CFR Class: Not pertinent 8.3 49 CFR Package Group: Not listed. 8.4 Marine Pollutant: No 8.5 NFPA Hazard Classification: Not listed 8.6 EPA Reportable Quantity: 5000 pounds 8.7 EPA Pollution Category: D 8.8 RCRA Waste Number: Not listed 8.9 EPA FWPCA List: Yes 9. PHYSICAL & CHEMICAL PROPERTIES 9.1 Physical State at 15° C and 1 atm: Solid **9.2 Molecular Weight:** 163.95 (anhydrous); 380.16 (Hydrate, 12H₂O)

7. SHIPPING INFORMATION 7.1 Grades of Purity: Technical grade-92% min. Food grade. Reagent Grade. Hydrated.

7.5 IMO Pollution Category: Currently not availabl 7.6 Ship Type: Currently not available

8. HAZARD CLASSIFICATIONS

7.7 Barge Hull Type: Currently not available

Anhydrous.

7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: Currently not available 7.4 Venting: Currently not available

8.1 49 CFR Category: Not listed.

- Boiling Point at 1 atm: The hydrate loses 11 moles of water at 100°C, 212°F, 373.2°K.
- **9.4 Freezing Point:** 163.94–170.06°F = 73.3–76.7°C = 346.45–349.85°K.
- 9.5 Critical Temperature: Not pertinent 9.6 Critical Pressure: Not pertinent
- 9.7 Specific Gravity: 1.62 at 20°C (Hydrate) 2.52 anhvdrous
- 9.8 Liquid Surface Tension: Not pertinent 9.9 Liquid Water Interfacial Tension: Not
- pertinent 9.10 Vapor (Gas) Specific Gravity: Not pertinent
- 9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent
- 9.12 Latent Heat of Vaporization: Not pertinent
- 9.13 Heat of Combustion: Not pertinent
- 9.14 Heat of Decomposition: Not pertinent
- **9.15 Heat of Solution:** hydrate absorbs heat. 75.2 Btu/lb = 40.3 cal/g = 1.69 X 10⁵ J/kg
- 9.16 Heat of Polymerization: Not pertinent
- 9.17 Heat of Fusion: Currently not available
- 9.18 Limiting Value: Currently not available
- 9.19 Reid Vapor Pressure: Currently not available

NOTES

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9.20 SATURATED LIQUID DENSITY		9.21 LIQUID HEAT CAPACITY		9.22 LIQUID THERMAL CONDUCTIVITY		9.23 LIQUID VISCOSITY	
Temperature (degrees F)	Younds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F	Temperature (degrees F)	British thermal unit inch per hour-square foot-F	Temperature (degrees F)	Centipoise
	N O T		N O T		N O T		N O T
	P E R T I N E N T		P E R T I N E N T		P E R T I N E N T		P E R T I N E N T

9.24 SOLUBILITY IN WATER		9.25 SATURATED VAPOR PRESSURE		9.26 SATURATED VAPOR DENSITY		9.27 IDEAL GAS HEAT CAPACITY	
Temperature (degrees F)	Pounds per 100 pounds of water	Temperature (degrees F)	Pounds per square inch	Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F
50 55 60 65 70 75 80 85 90 95 100 105 110 115 120	8.835 9.674 10.593 11.599 12.701 13.307 15.228 16.675 18.259 19.993 21.892 23.971 26.248 28.742 31.472		N O T E R T I N E N T		N OT PERTINERTINET		N O T P E R T I N E N T T