

Report Date 27-Feb-15

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1. Identification

: Nucleus O-PHOS 8-24-0
: None
: Ammonium Phosphate Solution
: Helena Chemical Company
: 225 Schilling Blvd. Collierville, TN 38017
: 901-761-0050
: CHEMTREC:800-424-9300

2. Hazard Identification

Signal Word	-
Skin Irritation	: Prolonged skin contact may cause irritation and possible rash.
Eye Irritation	: May cause irritation with contact. Prolonged exposure may cause severe
	irritation.
Acute Toxicity Oral	: No information found
Acute Toxicity Dermal	: No information found
Hazard Categories	: Eye irritation - 2B; Skin irritation - 3; Oral/Dermal/Inhalation Toxicity - 5/5/5
Hazard Statement	: Causes eye irritation
Hazaru Statement	Causes mild skin irritation
	Maybe harmful if swallowed, in contact with skin or if inhaled
	Maybe harmun in Swalloweu, in contact with Skin of it initialed

Composition / Information on Ingredients 3. Component **CAS Number** Weight % Blend of plant nutrients derived from 100.00 Proprietary Ammonium Phosphate and Iron EDTA. Total Nitrogen (N): 8.00% (Ammoniacal Nitrogen - 8.00%) Available Phosphate (P2O5): 24.00% Iron (Fe): 0.10% (Chelated Iron, the chelating agent is EDTA - Ethylenediaminetetraacetic acid. **First Aid Measures** 4.

Eye : Flush eyes gently and thoroughly for at least 15 minutes with clean water, occasionally lifting the upper and lower eyelids. Seek medical attention. Skin : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If redness or rash develops and persists, seek medical attention. Inhalation Ingestion : Move to fresh air immediately. Seek medical attention if needed. Seek medical attention immediately. Drink 1 or 2 glasses of water to dilute, then induce vomiting. Do not give anything by mouth or induce vomiting if unconscious. Indication of Immediate Medical Attention immediately.

5. Fire Fighting Measures

Extinguishing Media : This is not a flammable liquid. Use extinguishing media suitable for underlying cause of fire.



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Specific Hazards Arising from the	: Ammonia or other toxic fumes may be evolved under fire conditions.
Chemical	
Special Fire Fight Proc	: Wear self-contained breathing apparatus and full protective clothing. Avoid
	exposure to smoke and fumes. Contain any runoff.

6. Accidental Release Measur	es
Personal Precautions	: Avoid contact with skin and eyes. Keep unprotected and unnecessary personnel away from spill area.
Protective Equipment	: Rubber or neoprene impervious gloves, splashproof goggles or faceshield, impervious apron and footwear. Eyewash and emergency shower should be available in work area.
Emergency Procedures	: Dike spill area to prevent spread and runoff into lakes, ponds, drains, sewers and waterways.
Methods and Materials for Containment and Cleanup	: Pump up spilled material and reuse, if uncontaminated. If contaminated, collect and place in suitable containers for disposal.

7. Handling and Storage	
Precautions for Safe Handling	: Keep out of reach of children. Do not store with food, feed or other material to be used or consumed by humans or animals. Do not contaminate water
Conditions for Safe Storage	supplies, lakes, streams, ponds or drains.Keep container tightly closed. May be stored in unheated area by protect from freezing.

8. Exposure Controls / Personal Protection

TLV/PEL	: No information found
Appropriate Engineering Controls	: General and/or local exhaust should be sufficient.
Personal Protective Equipment	: Rubber or neoprene impervious gloves, splashproof goggles or faceshield,
	impervious apron and footwear. Eyewash and emergency shower should be
	available in work area.

9. Physical and Chemical Properties

Flash Point, ^o F Boiling Point, ^o F Melting Point(Freezing point), ^o C Vapor Pressure, mm Hg @ 20 ^o C Vapor Density Solubility in Water	 >212 Degrees F. <32 Degrees F. Not determined Not determined 100% Not applicable, formulated mixture. 1.267-1.297 g/ml 	or.
1)		
Octanol/Water Partition Coefficient	No information found	
pH	: 6.1-7.5	
Flammable Limits (approximate volume % in air)	Not applicable	
Auto-ignition Temperature Decomposition temperature		



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10. Stability and Reactivity

Reactivity	:	No information found
Chemical Stability	:	Stable
Hazardous Decomposition	:	May release ammonia, phosphorous oxides and other toxic fumes under fire
Products		conditions.
Hazardous Polymerization	:	Will not occur
Conditions to Avoid	:	Avoid contact with strong oxidizing agents.
Incompatible Materials	:	Strong oxidizing agents.

11. Toxicological Information

Acute Toxicity (Oral LD50)	: No information found
Acute Toxicity (Dermal LD50)	: No information found
Acute Toxicity Inhalation LC50	: No information found
Likely Routes of Exposure	: Eyes, skin
Skin Irritation	: Prolonged skin contact may cause irritation and possible rash.
Eye Irritation	: May cause irritation to the eyes with contact. Prolonged exposure may cause
	severe irritation.
Skin Sensitization	: Not listed as a skin sensitizer.
Carcinogenic	: Not listed by IARC, NTP or OSHA.
Chronic Effects	: No information found
Other Hazards	: None currently known.

12. Ecological Information

Ecotoxicity	: No information found
Persistence and Degradability	: No information found
Bioaccumulative Potential	: No information found
Mobility in Soil	: No information found
Other Adverse Effects	: No information found

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

UN Proper Shipping Name Transport Hazard Class	: Not regulated by DOT, IATA or IMDG. : None
UN Identification Number	: None
Packaging Group	: None
Environmental Hazards	: No information found
Transport in Bulk	: No information found
Special Precautions for	: None
Transportation	
Freight Classification	: Fertilizing Compound, (Manufactured Fertilizer), Liquid, NOIBN (NMFC Item 68140, Sub 6, Class 70)



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National Fire Protection Association Rating						
-	Health:	1	Fire: 0		Reactivity: 0	
		Rating Level	(4-Extreme,	3-High,	2-Moderate, 1-Slight	, 0-Minimu
S.A.R.A Title III Hazard		Ū	•			
Classification (Yes/No)						
	Immediate(Acute) Heal	th: Y				
	Delayed (Chronic) Heal	th: N				
	Sudden Release	of N				
	Pressu	re:				
	Fi	re: N				
	Reactiv	/e: N				

16. Other Information

Data of Preparation/Revision : 27-February-2015