

Safety Data Sheet

1. Product and Company Identification

Effective Date: 08/21/2014

Revision: 02

PHOS-X

Principal Use: Phosphate remover

Description: Clear to slightly yellow liquid

N. Jonas and Co., Inc.

4520 Adams Circle
P.O. Box 425
Bensalem, PA 19020-0425

Telephone: (215) 639-8071

Only in the Event of a Transportation Emergency Involving Spills, Leaks, Fires or Accidents, call CHEMTREC at (800) 424-9300.

2. Hazards Identification

Emergency Overview

Appearance: Clear to slightly yellow liquid

Physical Hazards: None

Health Hazards: Irritant (skin and eye)

* Hazard summary defined by OSHA Hazard Comm. Std., 29 CFR 1910.1200.

Potential Health Effects:

General: This health hazard assessment based on information from commercial and scientific literature.

Ingestion: Possible irritant if swallowed.

Eye Contact: May cause irritation.

Skin Contact: Possible skin irritant.

Skin Absorption: This product will probably not be absorbed through human skin.

Inhalation: Should not be harmful if inhaled.

3. Composition/Information on Ingredients

| <u>Ingredients:</u> | <u>%(w/w)</u> | <u>OSHA PEL</u> |
|---------------------------|---------------|-----------------|
| Lanthanum salt derivative | 37 | Not listed |

Ingredients not precisely identified are proprietary or non hazardous. Values are not product specifications.

4. First Aid Measures:

First Aid - Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, lifting eyelids occasionally. Get medical attention at once.

First Aid - Skin: Remove contaminated clothing and immediately wash

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| | exposed area for 15 minutes. Get medical attention if necessary. |
| <u>First Aid - Ingestion:</u> | Give large amounts of water. Do not induce vomiting. Get medical attention immediately. |
| <u>First Aid - Inhalation:</u> | Move to fresh air. If breathing has stopped, administer artificial respiration. Get medical attention immediately. |

5. Fire Fighting Measures

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| <u>Flashpoint and Method:</u> | Will not flash. |
| <u>Autoignition Temperature:</u> | Not available |
| Flammable Limits: | Not available |
| General Hazards: | HCl is produced. |
| Firefighting Instructions: | Do not enter confined fire space without protective equipment. Water may be used to keep fire-exposed containers cool until fire is out. |
| Firefighting Equipment: | Wear full bunker gear (helmet with face shield, bunker coat, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. |
| Haz Combustion Products: | HCl is produced. |

6. Accidental Release Measures

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| Spill Measures: | Contain large spills and pump to recover. Small spills can be mopped up and recovered. |
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7. Handling and Storage

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| Handling: | Wear skin and eye protection. |
| Storage: | Store in cool, dry place. Keep container closed when not in use. Keep out of reach of children. |

8. Exposure Controls/Personal Protection

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| <u>Exposure Guidelines:</u> | No ACGIH TLV or OSHA PEL assigned to this mixture. Minimize exposure in accordance with good industrial hygiene practice. |
| Engineering Controls: | Use ventilation adequate to maintain safe levels. Provide eyewash station and safety shower in work area. |
| Respiratory Protection: | None required where adequate ventilation conditions exist. |
| Protective Clothing: | Chemical resistant gloves are recommended to minimize potential irritation from handling. |
| Eye Protection: | Safety glasses are recommended under normal conditions. |

9. Chemical and Physical Properties

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|------------------------------|---------------------------------|
| <u>Appearance:</u> | Clear to slightly yellow liquid |
| <u>Boiling Point:</u> | Not known |
| Vapor Pressure: | Not known |
| Vapor Density: | 4.10 |
| Solubility in Water: | Appreciable (more than 10%) |

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|-----------------------------|----------------|
| pH: | Not applicable |
| Specific Gravity - Density: | Not known |
| % Volatile: | Not known |

10. Stability and Reactivity

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| Stability Text: | Stable under normal conditions. |
| Incompatibility: | None known |
| <u>Haz. Decomposition Products:</u> | Hydrogen chloride |
| Haz Polymerization Products: | Will not occur. |

11. Toxicological Information

Possible Human Health Effects:

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| Inhalation Tox: | Should not be harmful if inhaled. |
| <u>Skin Contact:</u> | The dermal LD50 (rat) is 106 mg/kg body weight. Possible skin irritant. |
| <u>Eye Contact:</u> | May cause irritation. |
| Ingestion Tox: | The acute oral LD50 (rat) is 4,200 mg/kg body weight. Possible irritant if swallowed. |
| Other Effects of Overexposure: | None known |
| Note to Physician: | Not applicable |

12. Ecological Information

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| Ecological Info: | Care should be taken to minimize release of undiluted product into the environment. |
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13. Disposal Consideration

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| Disposal Method: | Discarded product is not a hazardous waste under RCRA, 40 CFR 261. |
| Container Disposal: | Empty container retains product residue. Remove all product residue from container and puncture or otherwise destroy container before disposal. |

14. Transport Information

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| <u>DOT Hazard Description:</u> | Not regulated |
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15. Regulatory Information

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:

All ingredients are listed on the TSCA Chemical Substances Inventory.

CERCLA and SARA Regulations (40 CFR 355, 370, 372):

This product does not contain any chemicals subject to the reporting requirements under CERCLA.

California Proposition 65:

None

16. Other Information

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The information herein is given in good faith, but no warranty, expressed or implied, is made.

HMIS and NFPA Ratings

| <u>Hazard:</u> | <u>HMIS Ratings:</u> | <u>NFPA Ratings:</u> |
|----------------------|----------------------|----------------------|
| <u>Health:</u> | 1 | 1 |
| <u>Flammability:</u> | 0 | 0 |
| <u>Reactivity:</u> | 0 | 0 |

| <u>HMIS and NFPA Hazard Rating Codes:</u> | | | | |
|---|------------|--------------|----------|------------|
| 0 - Least | 1 - Slight | 2 - Moderate | 3 - High | 4 - Severe |

NOTE: These HMIS and NFPA Ratings are for "new" product. See appropriate sections of this MSDS for specific hazard information and safe handling instructions