

## SECTION 1. PRODUCT IDENTIFICATION

**1.1 TRADE NAME (AS LABELED):**SYNONYMS:CAS#:EC NUMBER:REACH REGISTRATION #:**POLYPHOSPHORIC ACID 108%-119%**

Phospholeum; Tetraphosphoric acid

8017-16-1

232-417-0

01-2119485924-24-0037

(Orthophosphoric acid monomer CAS# 7664-38-2; EC# 231-633-2)

Refer to section 7.3

**1.2 PRODUCT USE:****1.3 MANUFACTURER'S NAME:**ADDRESS:BUSINESS PHONE:WEB SITE INFORMATION:RESPONSIBLE PARTY - EU**Innophos.**

259 Prospect Plains Rd, Building A, Cranbury, NJ 08512

609-495-2495

[www.innophos.com](http://www.innophos.com)

Labcorp Development S.A.U.

Parque Empresarial Las Tablas

Edificio 1

Calle Federico Mompou

5-5ª planta

28050 Madrid, Spain

Tel: +34 915 901 664

Email: [or-eu@labcorp.com](mailto:or-eu@labcorp.com)**1.4 EMERGENCY PHONE NUMBERS:**

800-424-9300 (CHEMTREC U.S. and Canada – 24 Hrs)

+1 703-527-3887 (CHEMTREC outside the USA and Canada – 24 Hrs)

615-386-7816 – Innophos Emergency Communication Team (ECT)

DATE OF PRIOR REVISION:

August 9, 2023

DATE OF LASTEST REVISION:

September 20, 2024

## SECTION 2. HAZARD IDENTIFICATION

**EMERGENCY OVERVIEW:** This product is a colorless to yellow to brown liquid with no odor.**Health Hazards:** May cause severe skin burns and eye damage. May cause respiratory irritation.**Flammability Hazards:** This product is not flammable.**Reactivity Hazards:** Corrosive.**Environmental Hazards:** The environmental effects of this product have not been investigated, however release may cause long term adverse environmental effects.**2.1 EU LABELING AND CLASSIFICATION:**

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 and regulation (EU) No. 2020/878 and regulation (EC) No. 1272/2008.

**EU HAZARD CLASSIFICATION OF INGREDIENTS:****Index Number:**

EC# 232-417-0 is not listed in Annex VI

Substances not listed either individually or in group entries must be self-classified.

**Component(s) Contributing to Classification(s)**

Polyphosphoric Acid

**2.2 LABEL ELEMENTS**

EUROPEAN and (GHS) Hazard Symbol(s)

Signal Word: **Danger!****GHS Hazard Classification(s):**

Corrosive to Metals Category 1

Skin Corrosion Category 1B

Eye Damage Category 1

**Hazard Statement(s):**

H314 Causes severe burns and eye damage

H290 May be corrosive to metals

**Prevention Statement(s):**

P234 Keep only in original container.

P260 Do not breathe dusts or mists.

P264 Wash thoroughly after handling.

P280 Wear protective gloves and eye/face protection.

**Response Statement(s):**

P390 Absorb spillage to prevent material damage.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do not induce vomiting.

P321 Specific treatment (see SDS Section 4 First-Aid Measures)

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P363 Wash contaminated clothing before reuse.

P310 Immediately call a POISON CENTER/doctor.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Storage Statement(s):**

P406 Store in corrosive resistant container with a resistant inner liner.

P405 Store locked up.

**Disposal Statement(s):**

P501 Dispose of contents/container in accordance with local/ regional/ national/ international regulations.

**2.3 OTHER HAZARDS:**

Endocrine Disruptor Information: This product does not contain chemicals on the Candidate List of substances of very high concern for Authorisation.

**SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS**

Hazardous Ingredients:	WT%	CAS#	EINECS #	Hazard Classification
Polyphosphoric Acid	>99%	8017-16-1	232-417-0	Skin Corr.1B, Corr. To Metals 1
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).				

**SECTION 4. FIRST-AID MEASURES****4.1 DESCRIPTION OF FIRST AID MEASURES:**

**EYE CONTACT:** If product enters the eyes, open eyes while under gentle running water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention.

**SKIN CONTACT:** Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder before re-use.

**INHALATION:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

**INGESTION:** If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Pre-existing eye problems may be aggravated by prolonged contact.

**4.2 SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:**

Contact with eyes and skin may cause burns. Inhalation may cause upper respiratory irritation.

**4.3 RECOMMENDATIONS TO PHYSICIANS:**

Treat symptoms and eliminate overexposure.

**SECTION 5. FIRE-FIGHTING MEASURES****5.1 FIRE EXTINGUISHING MATERIALS:**

Use fire extinguishing methods below:

Water Spray:	No	Carbon Dioxide:	Yes
Foam:	Yes	Dry Chemical:	Yes
Halon:	Yes	Other:	Any "A" Class

**5.2 UNUSUAL FIRE AND EXPLOSION HAZARDS:**

None expected

Explosion Sensitivity to Mechanical Impact: No

Explosion Sensitivity to Static Discharge: No

**5.3 SPECIAL FIRE-FIGHTING PROCEDURES:**

Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

**SECTION 6. ACCIDENTAL RELEASE MEASURES****6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:**

Avoid breathing mist / spray. Provide adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.

**6.2 ENVIRONMENTAL PRECAUTIONS:**

Not applicable.

**6.3 SPILL AND LEAK RESPONSE:**

Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Prevent entry into sewers, water courses, basement or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor.

**SECTION 7. HANDLING and STORAGE****7.1 PRECAUTIONS FOR SAFE HANDLING:**

To prevent skin and eye contact under the foreseeable conditions of use, wear appropriate protective clothing and safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Handle in a well-ventilated work area.

**7.2 STORAGE AND HANDLING PRACTICES:**

Keep away from incompatible materials. Eliminate all ignition sources. Keep in a dry, well-ventilated area in closed containers. Protect containers from physical damage. Keep container tightly closed and sealed until ready for use. Store in accordance with local regulations.

**7.3 SPECIFIC USES:**

Intended for use in the production of phosphates, phosphate esters and the polyphosphorylation of polyols. This material acts as a catalyst in organic reactions such as rearrangement, polymerization and dehydration. Also used to strengthen or fortify weak acids.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION****8.1 EXPOSURE PARAMETERS:**

Chemical Name	CAS#	ACGIH TLV	OSHA TWA	EH40 TWA
Polyphosphoric Acid	8017-16-1	Not Listed	Not Listed	Not Listed

**8.2 EXPOSURE CONTROLS:**

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**RESPIRATORY PROTECTION:** Not required for properly ventilated areas. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**EYE PROTECTION:** Safety glasses or goggles are required. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

**HAND PROTECTION:** Chemical resistant gloves are required to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

**BODY PROTECTION:** Use body protect appropriate to task being performed. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

## SECTION 9. PHYSICAL and CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

**APPEARANCE (Physical State) and COLOR:** This product is a colorless to yellow to brown liquid.

**ODOR:** Odorless

**ODOR THRESHOLD:** Not Available

**pH:** <1

**MELTING/FREEZING POINT:** Not Available

**BOILING POINT:** Not Available

**FLASH POINT:** Not Available

**FLAMMABILITY (SOLID, GAS):** Not Applicable

**UPPER/LOWER FLAMMABILITY OR EXPLOSION LIMITS:** Not Available

**VAPOR PRESSURE (mm Hg @ 20°C (68°F):** < 1 mmHg @ 20°C(68°F)

**VAPOR DENSITY:** Not Available

**RELATIVE DENSITY:** 16.3-17.4 lbs/gal @ 25°C

**SPECIFIC GRAVITY:** 1.92 to 2.08 @ 25°C

**SOLUBILITY IN WATER:** Soluble

**WEIGHT PER GALLON:** Not Available

**PARTITION COEFFICIENT (n-octanol/water):** Not Available

**AUTO-IGNITION TEMPERATURE:** Not Available

**DECOMPOSITION TEMPERATURE:** 282°C(540°F)

**VISCOSITY:** Not Available

**PARTICLE CHARACTERISTICS:** Not Available

### 9.2.1 INFORMATION WITH REGARD TO PHYSICAL HAZARD CLASSES

**EXPLOSIVES:** Not Available

**FLAMMABLE GASES:** Not Available

**AEROSOLS:** Not Available

**OXIDISING GASES:** Not Available

**GASES UNDER PRESSURE:** Not Available

**FLAMMABLE LIQUIDS:** Not Available

**FLAMMABLE SOLIDS:** Not Available

**SELF-REACTIVE SUBSTANCES AND MIXTURES:** Not Available

**PYROPHORIC LIQUIDS:** Not Available

**PYROPHORIC SOLIDS:** Not Available

**SELF-HEATING SUBSTANCES AND MIXTURES:** Not Available

**SUBSTANCES AND MIXTURES, WHICH EMIT FLAMMABLE GASES IN CONTACT WITH WATER:** Not Available

**OXIDISING LIQUID:** Not Available

**OXIDISING SOLID:** Not Available

**ORGANIC PEROXIDES:** Not Available

**CORROSIVE TO METALS:** Not Available

**DESENSITISED EXPLOSIVES:** Not Available

**GASES UNDER PRESSURE:** Not Available

### 9.2.2 OTHER SAFETY CHARACTERISTICS

**MECHANICAL SENSITIVITY:** Not Available

**SELF-ACCELERATING POLYMERISATION TEMPERATURE:** Not Available

**FORMATION OF EXPLOSIBLE DUST/AIR MIXTURES:** Not Available  
**ACID/ALKALINE RESERVE:** Not Available  
**EVAPORATION RATE:** Not Available  
**MISCIBILITY:** Not Available  
**CONDUCTIVITY:** Not Available  
**CORROSIVENESS:** Not Available  
**GAS GROUP:** Not Available  
**REDOX POTENTIAL:** Not Available  
**RADICAL FORMATION POTENTIAL:** Not Available  
**PHOTOCATALYTIC PROPERTIES:** Not Available

## SECTION 10. STABILITY and REACTIVITY

### **10.1 REACTIVITY:**

No dangerous reaction known under conditions of normal use.

### **10.2 STABILITY:**

Stable.

### **10.3 POSSIBILITY OF HAZARDOUS REACTIONS:**

Hazardous reactions will not occur.

### **10.4 CONDITIONS TO AVOID:**

Contact with incompatibles. Moisture. Excessive heat.

### **10.5 MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:**

Water, strong bases, and most metals. This material is corrosive to common metals such as mild steel, copper, brass and bronze and may generate hydrogen gas as a result of reaction. Reacts with water to generate heat and forms phosphoric acid. This reaction is not violent.

### **10.6 HAZARDOUS DECOMPOSITION PRODUCTS:**

Oxides of phosphorus.

## SECTION 11. TOXICOLOGICAL INFORMATION

### **11.1 INFORMATION ON TOXICOLOGICAL EFFECTS:**

**TOXICITY DATA:** No data available.

Acute toxicity	Based on available data, the classification criteria are not met
Skin corrosion / irritation	Skin Corrosion Category 1
Serious eye damage / irritation	Eye Damage Category 1
Respiratory or skin sensitization	Based on available data, the classification criteria are not met
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Carcinogenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

**SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE:** The most significant routes of overexposure for this product are by contact with eyes, and skin and respiratory system. The symptoms of overexposure are described in the following paragraphs.

#### **ACUTE:**

**INHALATION:** May cause upper respiratory tract irritation.

**CONTACT WITH SKIN:** Corrosive, exposure to skin may cause burns.

**EYE CONTACT:** Corrosive, will cause serious eye damage.

**INGESTION:** May cause burns to mouth and esophagus, abdominal pain, nausea, vomiting.

**CHRONIC:** May cause Bronchial irritation with chronic cough.

**TARGET ORGANS:** **Acute:** Skin, Eyes, and Respiratory System **Chronic:** Respiratory System

**SUSPECTED CANCER AGENT:** Ingredients within this product are not found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer-causing agents by these agencies.

**IRRITANCY OF PRODUCT:** This product may be irritating to the skin, eyes and respiratory system.

**SENSITIZATION TO THE PRODUCT:** This product is not expected to cause skin sensitization.

**REPRODUCTIVE TOXICITY INFORMATION:** No specific information is available concerning the effects of this product and its components on the human reproductive system.



**SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE:** Data not sufficient for classification.

**SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE:** Data not sufficient for classification.

**ASPIRATION HAZARD:** None

**11.2 INFORMATION ON OTHER HAZARD CLASSES WHICH RELATES TO ENDOCRINE DISRUPTING PROPERTIES:**

No specific data available for this product.

## SECTION 12. ECOLOGICAL INFORMATION

**12.1 TOXICITY:**

No specific data available on this product.

**12.2 PERSISTENCE AND DEGRADABILITY:**

No specific data available on this product.

**12.3 BIOACCUMULATIVE POTENTIAL:**

No specific data available on this product.

**12.4 MOBILITY IN SOIL:**

No specific data available on this product.

**12.5 RESULTS OF PBT AND vPvB ASSESSMENT:**

No specific data available on this product.

**12.6 ENDOCRINE DISRUPTING PROPERTIES:**

No specific data available on this product.

**12.7 OTHER ADVERSE EFFECTS:**

No specific data available on this product.

**12.8 WATER ENDANGERMENT CLASS:**

May be water endangering in accordance with EU Guideline 91/155-EWG. Do not allow product to reach ground water, water course or sewage system. At present there are no ecotoxicological assessments for this product.

## SECTION 13. DISPOSAL CONSIDERATIONS

**13.1 WASTE TREATMENT METHODS:**

Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

**13.2 EU WASTE CODE:**

Not determined

## SECTION 14. TRANSPORTATION INFORMATION

US DOT, IATA, IMO / IMDG, ADR / RID:

**14.1 U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:** This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

<b>UN IDENTIFICATION NUMBER:</b>	UN3264
<b>PROPER SHIPPING NAME:</b>	Corrosive Liquid, acidic, inorganic, n.o.s (Polyphosphoric Acid)
<b>HAZARD CLASS NUMBER and DESCRIPTION:</b>	Class 8 Corrosive Liquid
<b>PACKING GROUP:</b>	II
<b>DOT LABEL(S) REQUIRED:</b>	Corrosive Liquid
<b>NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER:</b>	154
<b>RQ QUANTITY:</b>	5000 LB (PHOSPHORIC ACID)
<b>MARINE POLLUTANT:</b>	The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

**INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA):** This product is considered as dangerous goods.

**INTERNATIONAL MARITIME ORGANIZATION SHIPPING and MARITIME DANGEROUS GOODS CODE SHIPPING INFORMATION (IMO / IMDG):** This product is considered as dangerous goods.

<b>UN IDENTIFICATION NUMBER:</b>	UN3264
<b>PROPER SHIPPING NAME:</b>	Corrosive Liquid, acidic, inorganic, n.o.s (Polyphosphoric Acid)
<b>HAZARD CLASS NUMBER and DESCRIPTION:</b>	Class 8 Corrosive Liquid
<b>PACKING GROUP:</b>	II
<b>EMS-No:</b>	F-A, S-B

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD and RAIL (ADR / RID): This product is considered by the United Nations Economic Commission for Europe to be dangerous goods.

<b>UN IDENTIFICATION NUMBER:</b>	UN3264
<b>PROPER SHIPPING NAME:</b>	Corrosive Liquid, acidic, inorganic, n.o.s (Polyphosphoric Acid)
<b>HAZARD CLASS NUMBER and DESCRIPTION:</b>	Class 8 Corrosive Liquid
<b>PACKING GROUP:</b>	II

## SECTION 15. REGULATORY INFORMATION

### **15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE SUBSTANCE OR MIXTURE:**

#### **UNITED STATES REGULATIONS:**

**U.S. SARA REPORTING REQUIREMENTS:** The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

**U.S. SARA 311/312:** Acute Health

**U.S. SARA THRESHOLD PLANNING QUANTITY:** There are no specific Threshold Planning Quantities for the components of this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

**U.S. CERCLA REPORTABLE QUANTITY (RQ):** No data available.

**U.S. TSCA INVENTORY STATUS:** The components of this product are listed on the TSCA Inventory or are exempted from listing.

**OTHER U.S. FEDERAL REGULATIONS:** None known

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** This product does not contain ingredients on the Proposition 65 Lists.

#### **15.2 CANADIAN REGULATIONS:**

**CANADIAN DSL/NDL INVENTORY STATUS:** Components are DSL Listed, NDSL Listed and/or are exempt from listing

**OTHER CANADIAN REGULATIONS:** Not applicable.

#### **CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.

**CANADIAN WHMIS CLASSIFICATION and SYMBOLS:** This product is classified per 2015 WHMIS Controlled Product Regulations.

#### **15.3 EUROPEAN ECONOMIC COMMUNITY INFORMATION:**

This product does meet the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

See Section 2 for Details

#### **CHEMICAL SAFETY ASSESSMENT:**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

#### **15.4 AUSTRALIAN INFORMATION FOR PRODUCT:** Components of this product are not listed on the International Chemical Inventory list.

#### **15.5 JAPANESE INFORMATION FOR PRODUCT:**

**JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:** The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

#### **15.6 INTERNATIONAL CHEMICAL INVENTORIES:**

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac: Listed

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

Swiss Giftlist List of Toxic Substances: Not Listed

U.S. TSCA: Listed

Mexican Inventory of chemical substances (NOM 010 STPS 2015): Not Listed

**SECTION 16. OTHER INFORMATION****HMIS Rating (Scale 0-4)**

Health hazard: 3  
Flammability: 0  
Physical Hazard: 1

**NFPA Rating (Scale 0-4)**

Health hazard: 3  
Flammability: 0  
Physical Hazard: 1

**Abbreviations and acronyms**

<b>ACGIH</b>	<i>American Conference of Governmental Industrial Hygienists</i>
<b>CFR</b>	<i>Code of Federal Regulations</i>
<b>DOT</b>	<i>Federal Department of Transportation</i>
<b>GHS</b>	<i>The Globally Harmonized System of Classification and Labelling of Chemicals</i>
<b>HMIS</b>	<i>Hazardous Material Identification System</i>
<b>HCS</b>	<i>Hazard Communication Standard</i>
<b>IARC</b>	<i>International Agency for Research on Cancer</i>
<b>IATA</b>	<i>The International Air Transport Association</i>
<b>ICAO</b>	<i>The International Civil Aviation Organization</i>
<b>IMDG</b>	<i>International Maritime Dangerous Goods</i>
<b>IMO</b>	<i>International Maritime Organization</i>
<b>LD50/LC50</b>	<i>Lethal Concentration/Dose, 50 percent</i>
<b>NFPA</b>	<i>National Fire Protection Association</i>
<b>NIOSH</b>	<i>National Institute for Occupational Safety and Health</i>
<b>NTP</b>	<i>National Toxicology Program</i>
<b>OSHA</b>	<i>Occupational Safety and Health</i>
<b>PEL</b>	<i>Permissible Exposure Limit</i>
<b>SARA</b>	<i>Superfund Amendments and Reauthorization Act</i>
<b>TLV</b>	<i>ACGIH Threshold Limit Value</i>
<b>TWA</b>	<i>Time-Weighted Average</i>

**PREPARED BY:** Chris Eigbrett

**MSDS to GHS Compliance**  
[www.MSDStoGHS](http://www.MSDStoGHS).

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. Innophos assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Innophos assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

**REVISION HISTORY**

January 28, 2023	- Updated to comply with 2020/878. Updates to Section 2, 9, 11, 12, 16.
August 9, 2023	- Updated Section 11
September 20, 2024	- Updated NFPA / HMIS ratings

**END OF SDS SHEET**