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Material Safety Data Sheet Phosphomolybdic Acid Hydrate

ACC# 18685

Section 1 - Chemical Product and Company Identification

MSDS Name: Phosphomolybdic Acid Hydrate
Catalog Numbers: A237 100, A237-100, A237100, S80123, S80123MF
Synonyms: Molybdenum hydroxide oxide phosphate; Phosphoric acid, anhydride with molyb
Company Identification:
 Fisher Scientific
 1 Reagent Lane
 Fairlawn, NJ 07410
For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredient

CAS#	Chemical Name	Perce
51429-74-4	Phosphomolybdic Acid Hydrate	100

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: yellow. **Danger!** Strong oxidizer. Contact with othermaterial m severe respiratory anddigestive tract irritation with possible burns. May cause irritation with possible burns.

Target Organs: None.

Potential Health Effects

Eye: May cause eye burns. Exposure to particulates or solution may cause conjunctivitis, ulce

Skin: Contact with skin causes irritation and possible burns, especially if the skin is wet or moi

Ingestion: May cause severe gastrointestinal tract irritation with nausea, vomiting and possibl

Inhalation: If heated, dust or fume may cause respiratory tract irritation.

Chronic: Chronic exposure can lead to necrosis of the jaw, or 'phossy-jaw'.

Section 4 - First Aid Measures

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper an immediately.

Skin: Get medical aid immediately. Flush skin with plenty of soap and water for at least 15 mi contaminated clothing and shoes.

Ingestion: Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk o mouth to an unconscious person. Give milk of magnesia.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial res give oxygen. Get medical aid.

Notes to Physician: Treat symptomatically and supportively.

Section 5 - Firefighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-d or equivalent), and full protective gear. Material will not burn. Strong oxidizer. Contact with co fire.

Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguis

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

NFPA Rating: Not published. Explosion Limits, Lower: Not available. Upper: Not available.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Sweep up or absorb material, then place into a suitable clean, dry, closed conta

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Wash hands before eating. Remove contaminated Use with adequate ventilation. Do not get in eyes, on skin, or on clothing. Do not ingest or inh

Storage: Keep refrigerated. Keep containers tightly closed.

Section 8 - Exposure Controls, Personal Protectio

Engineering Controls: Use process enclosure, local exhaust ventilation, or other engineerin levels.

Exposure Limits

Chemical Name	ACGIH	NIOSH
Phosphomolybdc Acid Hydrate	none listed	none listed

OSHA Vacated PELs: Phosphomolybdc Acid Hydrate: No OSHA Vacated PELs are listed fo
Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by O

regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR '1910.134 and AN European Standard EN 149 must be followed whenever workplace conditions warrant a respirator.

Section 9 - Physical and Chemical Properties

Physical State: Solid

Appearance: yellow

Odor: None reported

pH: Not available.

Vapor Pressure: Not available.

Vapor Density: Not available.

Evaporation Rate:

Viscosity: Not available.

Boiling Point: 78 deg C

Freezing/Melting Point: 78-90 C

Decomposition Temperature: Not available.

Solubility: Soluble in water.

Specific Gravity/Density: 3.15

Molecular Formula: 20MoO3-2H3PO4

Molecular Weight:

Section 10 - Stability and Reactivity

Chemical Stability: Stable.

Conditions to Avoid: Incompatible materials.

Incompatibilities with Other Materials: Strong bases; Metals.

Hazardous Decomposition Products: Oxides of phosphorus, oxides of molybdenum.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#:

CAS# 51429-74-4 unlisted.

LD50/LC50:

Not available.

Carcinogenicity:

CAS# 51429-74-4: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No data available.

Teratogenicity: No data available.

Reproductive Effects: No data available.

Neurotoxicity: No data available.

Mutagenicity: No data available.

Other Studies: No data available.

Section 12 - Ecological Information

Ecotoxicity: Not available.

Environmental Fate: Not available.

Physical/Chemical: Not available.

Other: Not available.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.
RCRA D-Series Maximum Concentration of Contaminants: None listed.
RCRA D-Series Chronic Toxicity Reference Levels: None listed.
RCRA F-Series: None listed.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	IATA	RID/ADR	
Shipping Name:	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (PHOSPHOMOLYBDIC ACID)	No information available.	No information available.	avai (PH
Hazard Class:	8			
UN Number:	UN3260			
Packing Group:	II			

Section 15 - Regulatory Information

US FEDERAL

TSCA

CAS# 51429-74-4 is not on the TSCA Inventory. It is a hydrate and exempt from TSCA Invent (40CFR720.3(u)(2)).

Health & Safety Reporting List

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

Section 12b

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

SARA

Section 302 (RQ)

None of the chemicals in this material have an RQ.

Section 302 (TPQ)

None of the chemicals in this product have a TPQ.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain an material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. N product are listed as Priority Pollutants under the CWA. None of the chemicals in this product under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 51429-74-4 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed. **Europe**

Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

Not available.

Risk Phrases:

Safety Phrases:

WGK (Water Danger/Protection)

CAS# 51429-74-4: No information available.

Canada

None of the chemicals in this product are listed on the DSL/NDSL list. This product has a WH
CAS# 51429-74-4 is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

Section 16 - Additional Information

MSDS Creation Date: 3/13/1995

Revision #5 Date: 9/02/1997

The information above is believed to be accurate and represents the best information currently available to us. How merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability make their own investigations to determine the suitability of the information for their particular purposes. In no way s losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplar Fisher has been advised of the possibility of such damages.

 help

Need help with a product? Send [email](#) to Fisher's customer service or call us at 1-800-766-