



3/19/21

r u t e MI-PHOS® 22 PW EX

r u t e 2201001

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Product Name	Chemical Name	UN Number	Concentration
Monosodium Phosphate	Sodium Phosphate Dibasic	7558-80-7	<10%
Ammonium Dimolybdate	-	13106-76-8	<2%
Phosphoric Acid	Orthophosphoric Acid	7664-38-2	<1%

First Aid

Remove exposed person to fresh air and support breathing as needed.

Eye Contact

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Eye Irritation

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician or poison control center immediately.

Oral Exposure

Never give anything by mouth to an unconscious person. Contact a poison control center. Unless the poison control center advises otherwise, have the conscious and alert person drink 1 or 2 glasses of water to dilute. The decision to induce vomiting is debatable. Its corrosive nature may indicate gastric lavage or binding of the fluoride ion with milk, calcium gluconate, or calcium lactate.

Respiratory Exposure

May cause irritation to the respiratory tract. Symptoms include coughing and shortness of breath. Low hazard for usual industrial handling.

Health

Irritation of eyes and skin.

Irritant due to its acidic nature. May cause inflammation and pain on prolonged contact, especially with moist skin.

Environmental

Phosphates are slowly and incompletely absorbed when ingested, and seldom results in systemic effects. Such effects, however, have occurred. Symptoms include vomiting, lethargy, diarrhea, blood chemistry effects, heart disturbances and central nervous system effects. The toxicity of phosphates is because of their ability to sequester calcium. Low hazard for usual industrial handling.

Other

May sequester calcium and cause calcium phosphate deposits in kidneys.

Fire and Explosion

Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.

Fire Fighting

In the event of a fire, wear full protective clothing and NIOSH approved self contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Structural firefighter's protective clothing is ineffective for fires involving this material. Stay away from ends of tanks. Cool tanks with water spray until well after fire is out.

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Wear appropriate chemical protection equipment such as gloves, face-shield, goggles and suitable body protection to prevent contamination of skin, eyes and personal clothing.

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If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

Ventilate area of release.

Absorb the chemical onto sand, vermiculite, or any other non-combustible absorbent, and collect into containers for later disposal.

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Use in well ventilated area.

Wash hands thoroughly after handling.

Wear rubber protective gloves and goggles.

Do not get in eyes, or on skin, or on clothing.

Keep container tightly closed.

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Keep container tightly closed.

Store in a well ventilated place. Keep cool .

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r er e NOT D.O.T REGULATED
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er Ammonium Bifluoride-RQ=100 lbs
er Phosphoric Acid-RQ=5000 lbs
r [redacted] The chemicals in this product are not subject to SARA Title III , Section 313 Reporting Requirements.
[redacted] t
r [redacted] No Proposition 65 listed components in this formula
[redacted] e t r
t tu [redacted] All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements .

[redacted] er The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.