



ATMP Phosphonate Sodium Salt SDS Safety Data Sheet
MSDS Sheet, Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ATMP Phosphonate Sodium Salt ATMP-xNa where x=3to5 water solution.

CAS numbers:

ATMP-3Na x=3 CAS Number is 7611-50-9 and Mol. Wt. is 365

ATMP-4Na x=4 CAS Number is 94021-23-5 and Mol. Wt. is 387

ATMP-5Na x=5 CAS Number is 2235-43-0 and Mol. Wt. is 409

Recommended uses and uses advised against (if any): Oil & Gas Wells and Industrial Use.

EMERGENCY TELEPHONE COMPANY

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1-855-346-6742 (1-855-FINORIC)

Emergency telephone

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Contract Number 104662

2. HAZARDS IDENTIFICATION

**GHS, Globally Harmonized System Classification in accordance with 29 CFR 1910
Classification according to Regulation (EC) No 1272/2008**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

Labeling according GHS USA & Regulation (EC) No 1272/2008

GHS Label Elements NONE

Signal Word: None

Hazards not otherwise classified (HNOC):

May cause mild skin irritation.

May cause mild eye irritation.

Precautionary statements:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.

P262: Do not get in eyes, on skin, or on clothing.

P281: Use personal protective equipment as required.



P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists get medical advice/attention.

OSHA Hazards: No known OSHA hazards.

Carcinogenicity: This product (or any component in a concentration of 0.1% or greater) is not listed by NTP, IARC, OSHA OR THE DEPARTMENT OF THE ENVIRONMENT as a carcinogen.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient: ATMP Phosphonate Sodium Salt ATMP-xNa where x=3to5 water solution.
Percentage is 35% to 45%

CAS numbers:

ATMP-3Na x=3 CAS Number is 7611-50-9 and Mol. Wt. is 365

ATMP-4Na x=4 CAS Number is 94021-23-5 and Mol. Wt. is 387

ATMP-5Na x=5 CAS Number is 2235-43-0 and Mol. Wt. is 409

COMMENTS:

The ATMP-xNa is not classified as hazardous when x=3to5.

4. FIRST AID MEASURES

Always seek medical attention after first aid measures are provided.

Eyes: Flush with water for at least 15 minutes. Provide medical assistance.

Skin: Remove contaminated clothes and rinse skin with plenty of water or shower.

Ingestion: Do NOT induce vomiting. If the person is conscious, give milk or water to dilute stomach contents. Repose. Medical attention. Do not attempt to give anything by mouth to an unconscious person.

If spontaneous vomiting occurs, keep head below hips to prevent aspiration and monitor respiration if there is difficulty.

Inhalation: If adverse exposure to vapors and / or aerosols, immediately remove the affected person from exposure and get immediate medical assistance victim. If breathing is difficult, give oxygen. If stops breathing, give artificial respiration.

5. FIRE FIGHTING MEASURES

Flash Point: Aqueous Solution are not easily inflammable.

Flammable Limits: Not applicable

Temp. Auto Ignition: Not applicable

Fire Fighting: Material will not burn. Containers can build up pressure if exposed to heat (fire). Use water spray to cool fire exposed surfaces and to protect personnel.

Fire Fighting Equipment: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES OR LOSSES

Personal precautions, protective equipment, environmental precautions and emergency procedures: Prevent additional discharge of material, if possible without danger. Warn occupants and areas downwind of the dangers of releasing corrosive and ask everyone to stay away. For small spills implement cleanup procedures. For large spills, proceed with cleaning procedures and, if in public area, advise the authorities.

Methods and materials used for containment Cleanup procedures and Storage:

Water Spill: Prevent additional discharge of material, if possible without danger. Warn occupants and downstream and danger areas downwind of corrosive release and ask everyone to stay away. Since this material sinks and is soluble, probably not recoverable. Notify authorities.

Land Spill: Prevent additional discharge of material, if possible without danger. Warn occupants and areas downwind of the dangers of releasing corrosive and ask everyone to stay away. For small spills implement cleanup procedures. For large spills, proceed with cleaning procedures and, if in public area, advise the authorities.

Contain spilled liquid with sand or earth. Recover by pumping or with suitable absorbent.

Recycle or eliminate regulations of recovered materials in accordance with federal, state and local laws.

7. HANDLING AND STORAGE

Precautions for safe handling: Keep container closed. Open and handle container with care. Store in cool, well ventilated place away from incompatible materials.

Conditions for safe storage, including any incompatibilities: DO NOT pressurize, cut, heat, or weld containers. Empty containers may contain product residue. Avoid contact with strong alkalis, Avoid contact with metal salts of sulfides and sulfites, which could release toxic gases. Also avoid contact with strong oxidizing agents. DO NOT reuse empty containers without commercial cleaning or reconditioning.

Temperature of Storage: Environmental

Storage Pressure: Atmospheric.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Ventilation should be provided to control exposure of workers and prevent health risks, and if necessary to reduce, prevent and control the generation of aerosols.

PERSONAL PROTECTIVE EQUIPMENT

Eyes & Face: Chemical goggles and face shield is required.

Skin: In case of contact could occur, use protective gloves and long sleeves.

Respiratory: Should exposure by inhalation may occur and engineering, work practices or other

means of exposure reduction are not adequate, respirators will be needed.

Other Precautions: Safety shower and eyewash station are necessary in the area of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear Colorless to Yellowish Liquid.

Odor: Odorless

Odor threshold: Not available.

pH: 6 - 8

Relative density: Not available.

Melting point/freezing point: Not available.

Initial boiling point and boiling range: Not available.

Flash point: Not available.

Auto-ignition temperature: Not available.

Decomposition temperature: Not available.

Upper/lower flammability or explosive limits: Not available.

Vapor pressure: Not available.

Vapor density: Not available.

Evaporation rate: Not available.

Flammability (solid, gas): Not available.

Partition coefficient: n-octanol/water: Not available.

Solubility in Water: Soluble

Viscosity: Not available.

10. STABILITY AND REACTIVITY

Stable: Yes

Hazardous Polymerization: Will not occur.

Conditions to Avoid: NA.

Hazardous Decomposition Products: phosphines, CO, CO₂ and nitrogen & sodium oxides

Incompatible Materials: Avoid contact with strong alkalis, Avoid contact with metal salts of sulfides and sulfites, which could release toxic gases. Also avoid contact with strong oxidizing agents.

11. TOXICOLOGICAL INFO

Toxicity after repeated exposure Oral/inhalation/dermal: Not classified for toxicity after repeated exposure, based on ATMP acid studies results.

Genotoxicity / Mutagenicity: Not classified either for mutagenicity or genotoxicity. Neither the acid nor the salt induced gene mutations in bacteria.

Carcinogenicity: Not classified for carcinogenicity. ATMP sodium salts are not expected to be carcinogenic by analogy with ATMP acid studies results.

Toxicity for reproduction: ATMP acid is not toxic for reproduction, based on rats threegeneration study. By analogy, ATMP salts are not expected to have a toxic effect neither on fertility nor on development.



12. ECOLOGICAL INFORMATION

Aquatic Toxicity: Not harmful to aquatic organisms (short term and long term exposure) ATMP can lead to growth inhibition in algae, but this effect is a consequence of the substance's complexation with essential nutrients and not of true toxicity.

Biodegradation: Neither readily nor inherently biodegradable. Partially photodegradable over short time period.

PBT / vPvB conclusion: Not considered to be either PBT or vPvB
Based on available data, ATMP acid and its salts are not classified as dangerous for the environment, according to EU regulation (EC) 1272/2008.

13. DISPOSAL

Empty Container: Empty drums should be completely drained, properly cover and send immediately to a drum re-conditioner or should duly divest.

RCRA / EPA Waste Information: Products is considered a characteristic of hazardous waste, RCRA and that meets the definition and characteristics of corrosivity (designated D002).

General Comments: Discarded products, as sold, is considered a hazardous waste under RCRA. This material must be disposed of in accordance with local, state, and federal laws.

14. TRANSPORT INFORMATION

DOT & Europe ADR/RID: Not regulated.

IMDG & TDG: Not regulated.

IATA: Not regulated.

15. REGULATORY INFORMATION

None available

16. ADDITIONAL INFORMATION

Prepared by AJK on 27 November 2019 - Printed on: 19 February 2020

Disclaimer:

The information and recommendations set forth herein are presented in good faith and believed correct as of the date the SDS was created. It is compiled from various sources and it is not necessarily all inclusive nor fully adequate in every circumstance. In addition, these suggestions should not be confused with nor followed in violation of applicable laws, regulations, rules or insurance requirements applicable. This SDS is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. This shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
