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877-828-1652

F2SP-20

Sodium Permanganate 20% CAS# 10101-50-5

Assay	20% as NaMnO₄
Ph	5-8
Specific Gravity	1.16
Solubility	Miscible in water in all proportions

Our **Sodium Permanganate** is **NSF certified** to ANSI/NSF Standard 60 and meets AWWA Standard B603-03.

Handling & Storage: Like any strong oxidant, **F2SP-20** liquid permanganate should be handled with care. Protective equipment during handling should include face shields and/or goggles, rubber or plastic gloves, rubber or plastic apron. If clothing becomes spotted, wash off immediately; spontaneous ignition can occur with cloth or paper. In cases where significant exposure exists, use of the appropriate NIOSH-MSHA dust or mist respirator is recommended.

The product should be stored in a cool, dry area in closed containers. Concrete floors are preferred. Avoid wooden decks. Spillage should be collected and disposed of properly. Contain and dilute spillage to approximately 6% with water and reduce with sodium bisulfite. Deposit sludge in an approved landfill or, where permitted, drain into sewer with large quantities of water.

As an oxidant, the product itself is non-combustible, but will accelerate the burning of combustible materials. Therefore, contact with all combustible materials and/or chemicals must be avoided. These include, but are not limited to: wood, cloth, organic chemicals, and charcoal. Avoid contact with acids, peroxides, sulfites, oxalates, and all other oxidizable inorganic chemicals. With hydrochloric acid, chlorine is liberated.

Compatibility: **F2SP-20** sodium permanganate is compatible with many metals and synthetic materials. Natural rubbers and fibers are often incompatible. Solution pH and temperature are also important factors. The material selected for use with liquid permanganate must also be compatible with any acid or alkali being used.

In neutral and alkaline solutions, sodium permanganate is not corrosive to carbon steel and 316 stainless steel. However, chloride corrosion of metals may be accelerated when an oxidant such as liquid permanganate is present in solution. Plastics such as Teflon, polypropylene, HDPE and EDPM are also compatible with liquid permanganate.

Aluminum, zinc, copper, lead, and alloys containing these metals may be slightly affected by sodium permanganate. Actual corrosion or compatibility studies should be made under the conditions in which the permanganate will be used prior to use.

F2SP20 is available in 5 gal, 55 gal, and 275 gal container sizes. It is also available in bulk quantities of 2000-4000 gallons.

Shipping: F2SP20 is classified as an oxidizer and is shipped domestically as Class 70. The UN code is 3214 and the packing group is II.

