



*Specialized in chemicals*

## Technical Data Sheet

# Hypophosphorous acid

### Product Information

Chemical Name	Hypophosphorous acid
CAS #	6303-21-5
EINECS	228-601-5
Formula	H3O2P
Molecular Weight	66
Chemical Structure	



### Description

Hypophosphorous acid is a colorless liquid, soluble in water, ethanol and diethyl ether. It is a strong reducing agent. Exposed to the air, Hypophosphorous acid gets easily oxidized. Heated to 130 °C , it breaks into phosphorous acid and phosphine. It reacts explosively with oxidant.

### Physical Properties

Density	1.493(19°C)
Melting point	26.5°C
Boiling point	108°C

### Specification

Appearance	Colorless transparent liquid
H3PO3	≤0.5%
Na	≤0.4%
Fe	≤0.001%
Cl	≤0.01%
Density	1.210-1.265
Color	30APHA

### **Applications**

Used for alkyd resin Antioxidant Moisturizer.

Used for reducing agent;

Used to produce hypophosphite salts, sodium hypophosphite, calcium hypophosphite, manganese hypophosphite, and ferric hypophosphite, etc.

### **Packaging**

250kg per plastic drum.

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