



Specialized in chemicals

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## Technical Data Sheet

# Sodium formate

### Product Information

Chemical Name	Sodium formate
CAS #	141-53-7
EINECS	205-488-0
Formula	CHNaO <sub>2</sub>
Molecular Weight	68.01
Synonyms	formatedesodium
Chemical Structure	



### Description

Sodium formate is a white crystalline powder or granule with gentle formic acid odor. It is a hygroscopic substance and it resolves into sodium oxalate and hydrogen and followed by sodium carbonate. Sodium formate is soluble in 1.3 water and glycerol and slightly soluble in ethanol and the aqueous solution appears neutral with pH value at 7. It is irritant and melted at 253°C.

### Physical Properties

Melting point, °C(lit.)	259-262
Appearance	white crystalline powder or granule
Solubility	soluble in water and glycerol and slightly soluble in ethanol

### Specification

#### Sodium formate 95%:

Appearance	White crystalline powder
Assay, %	≥95.0
NaOH, %	≤0.50
Na <sub>2</sub> CO <sub>3</sub> , %	≤1.50
NaCl, %	≤2.0
Water, %	≤1.0

Sodium formate 98%:

Appearance	White crystalline powder
Assay, %	≥98.0
NaOH, %	≤0.50
Na <sub>2</sub> CO <sub>3</sub> , %	≤1.50
NaCl, %	≤0.10
Water, %	≤0.50
Na <sub>2</sub> S, %	≤0.01
Fe, %	≤0.005

**Applications**

For tanner industry, it is used as camouflage acid in chrome tanning process. It is also used as stable synthetic agent and catalytic agent.

For textile dyeing industry, it is to work as dye leveller;

For electroplating industry, it works as accelerator;

For rayon industry, it works as delustering agent;

For food industry. it is also a food additive in production;

For other application, Sodium formate the raw material for the production of hydrosulfite, Oxalic acid and formic acid, and is a precipitant for heavy metals including some complex irons formed by trivalent metals so it is used to test these heavy metals such as phosphorus and arsenic, etc.

**Package**

It is packed with 25kg PP bag or 500kg and 1000kg bag.

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