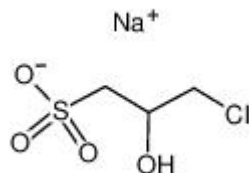


**FC-047 (CAS 126-83-0)****Sodium 3-Chloro-2-hydroxypropanesulfonate****BASIC  
INFORMATION**

Cas: 126-83-0  
Sodium 3-Chloro-2-hydroxypropanesulfonate,  
3-Chloro-2-hydroxypropanesulfonic acid, sodium  
salt; sodium, 3-chloro-2-hydroxypropane-1-sulfonate; 3-CHLOR  
O-2-HYDROXYPROPANESULFONIC ACID SODIUM  
SALT; 3-Chloro-2-hydroxypropanesulfonic acid, sodium salt  
(CHPS-Na);  
Molecular weight: 196.58500  
PSA: 85.81000  
LOGP: 3.03810

**PHYSICAL INDEX**

Appearance : white crystalline powder  
Density: 1.649g/cm<sup>3</sup>

**SECURITY  
INFORMATION**

Safety instructions: S26; S36/37/39  
Hazard category code: R36/37/38  
Customs code: 2905590090

**PRODUCTION  
METHODS AND  
APPLICATION**

Application  
The molecular structure of sodium  
3-chloro-2-hydroxypropanesulfonate contains not only a more  
active halogen atom and a hydroxyl group, but also a  
hydrophilic sulfonate group. It is an important functional  
monomer in the synthetic polymer industry. It can be used as  
an organic chemical intermediate for the preparation of  
surfactants, modified starches, fluid loss-reducing materials  
for drilling fluids, and raw materials for psychotropic drugs.  
Sodium 3-chloro-2-hydroxypropanesulfonate is a chloroalkane  
containing hydroxyl and sodium sulfonate groups. It can be  
alkylated with amide to produce amphoteric surfactants

containing sulfonic acid groups. The research results show that Sulfonic

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