

Sodium Starch Glyolate safety specification

Part I Product and enterprise identification

Chinese name: Suojia Dianfenna

English name: Sodium Starch Glyolate

CAS: 9063-38-1

EINECS: 232-674-9

Name of manufacturer: Shandong Ruisheng Pharmaceutical Co., LTD.

Address: Houlou Industrial Park, Jiazhai Town, Chiping County, Liaocheng city, Shandong Province.

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Effective Date: 2022.10.10.

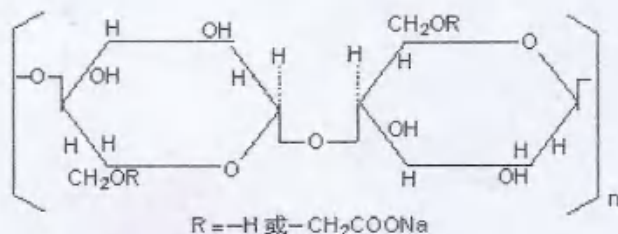


The second part is the component/constituent information

Pure product	✓	Mix	×
Component		Content	
Sodium salt of carboxymethyl ether		2.0-4.0%	

This product is the sodium salt of starch carboxymethyl ether produced by the action of starch and chloroacetic acid under alkaline condition.

Sodium carboxymethyl starch structure formula:



Molecular formula: $[C_6H_7O_2(OH)_2OCH_2COONa]_n$

Molecular weight: generally between 500000~1000000.

The third part is an overview of the risks

Hazard category: non-dangerous goods.

Invasion routes: inhalation, ingestion, skin contact, eye contact.



Health hazard: it can be used as disintegrating agent in the process of solid preparation and additive in food. This product is orally non-toxic and non-irritating; Eye and skin contact is non-toxic and non-irritating; But large doses taken orally are harmful.

Environmental hazard: this product is white fine powder. Dust can float in the light wind when exposed.

Danger of ignition and explosion: combustible in case of open fire, excessive dust may cause explosion in case of open fire.

Part IV Emergency measures and measures

Inhalation: Immediately move to fresh air, keep breathing smooth, gargle.

Ingestion: Excessive ingestion may induce vomiting.

Part V Fire control measures

Hazard characteristics: combustible in case of open fire and high temperature

Combustion products: carbon monoxide, carbon dioxide.

Fire extinguishing methods: Fire fighters must wear gas masks and full-body fire protective clothing, move the ignition point to the open place as far as possible, and stand upwind while extinguishing the fire. Dry powder extinguisher can be used to extinguish the fire.

Part VI Emergency treatment of leakage

Emergency treatment: no pollution to air and environment caused by leakage, collect and recycle or transport to waste treatment site for disposal.

Part VII Operation disposal and storage

Precautions for operation: Avoid excessive dust. There should be appropriate exhaust facilities on site. It is strictly prohibited to bring fire into the production and operation site.

Storage Precautions: Store in a cool, ventilated warehouse. Keep away from fire and heat. Should be stored separately with oxidant, avoid mixing storage. Equip with the appropriate variety and quantity of fire fighting equipment.

Part VIII Contact Control/Personal Protection

Occupational exposure limits:

MAC(mg/ M3) : No standard yet.

TWA(mg/m3) : No standard yet.



STEL(MG /m3) : No standard yet.

Monitoring methods: No data available.

Industrial control: Closed operation, local exhaust.

Respiratory protection: Dust caused by operation is recommended to wear a self-suction filter respirator.

Eye protection: Wear chemical safety glasses when necessary.

Physical protection: Wear general protective clothing.

Hand protection: Wear general protective labor gloves.

Other protection: No smoking, eating or drinking at work. After work, shower and change. Pay attention to personal cleanliness and hygiene.



The ninth part is the characteristic of chemistry

Appearance and properties: white or white powder or granular powder; Odorless, tasteless.

Flash point (°C) : 357.8 Ignition temperature (°C) : meaningless

Explosion upper limit [% (V/V)] : nonsense explosion lower limit [% (V/V)] : nonsense

Heat of combustion (kJ/mol) : nonsense critical temperature (°C) : nonsense

Critical pressure (MPa) : meaningless

Solubility: insoluble in water, alcohol, ether and other organic solvents.

Main applications: mainly used as pharmaceutical excipients, disintegrating agents, adhesives and fillers in the manufacturing process of solid preparations, and additives in food industry.

Part X Stability and reactivity

Stability: Stability

Forbidden compound: avoid mixing with strong acid, strong base and strong oxidant.

Conditions to avoid contact: None.

Polymerization hazard: non-polymerization

Decomposition product: Does not normally decompose. Under strong acid or base conditions, the solution is reduced to smaller fibers.

Part XI Toxicological information

Acute toxicity: none.

Irritant: None.

Mutagenic test: None.

Safety: Non-toxic.

Part XII Ecological Data

Ecotoxicity: None.

Biodegradability: None.

Non-biodegradability: None.

Other harmful effects: None.

Part XIII. Disposal

Nature of waste: no harm, no need for special disposal.

Waste disposal: reuse where it can be used or burn or bury in a prescribed place.

Discard precautions: None.

Part XIV transportation Information

Dangerous goods No. : non-dangerous goods.

UN No. : No data available.

Packaging label: pharmaceutical accessories.

Packaging category: meet the requirements of the current edition of The Chinese Pharmacopoeia.

Packing method: inner packing medical polyethylene bag, outer packing plastic woven bag, packing specification: 25kg/piece.

Cautions for transportation: The packing should be complete and the loading should be safe. Make sure that containers do not leak, collapse, fall or damage during transportation. Do not mix with oxidant. The transportation process should be protected from the sun, rain, high temperature.

Part xv legal information

Regulatory information: the application shall refer to the current edition standard of Chinese Pharmacopoeia.

Part XVI Other information

Department: Shandong Ruisheng Pharmaceutical Co., LTD. Technical department.

Time to complete: 2022-10-10

