



Specialized in chemicals

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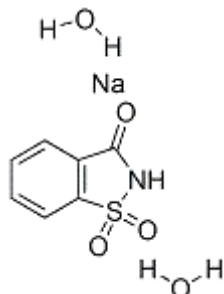
Technical Data Sheet

Saccharin sodium

Product Information

Chemical Name	Saccharin sodium dihydrate
CAS #	6155-57-3
Formula	C ₇ H ₉ NNaO ₅ S
Synonyms	2-SULFOBENZOIC AND IMIDE SODIUM SALT DIHYDRATE;

Chemical Structure



Physical Properties

White diamond crystals or crystal powder, odourless, slightly fragrant, has strong sweet taste, slightly bitter taste, sweetness of sucrose, 300-500 times. Melting point of 226-231 °C. Soluble in water (99.8 g, 20 °C; 186.8 g, 50 °C; 328.3 g, 95 °C), soluble in ethanol (1 g/ml) 50. In the air slowly weathering, about losing half the water of crystallization and become white powder.

Specificaton

Technical Data		
Item	Standard	Result
Melting point of °C	226-230	227.1-229.5
Appearance	White crystal	White crystal
Content %	99.0-101.0	99.38
Loss on drying %	≤15	13.12
Ammonium Salts ≤	0.0025	0.001
Arsenic % ≤	0.0002	0.0001
Benzoate and salicylate	No precipitate or violet color appears	Complies
Heavy metals ≤	0.001	0.0005
P-Toluene sulfonamide ≤	10ppm	5ppm
O-Toluene sulfonamide ≤	10ppm	6ppm
Selenium ≤	30 ppm	7ppm
PH value	Complies with BP/USP/EP	7
Benzoic acid- sulfonamide	≤25ppm	15ppm

Safety

It is common goods on transportation;
Always refer to the Material Safety Data Sheet (MSDS)

Applications

- 1.Food: general cold drinks, beverages, jellies, popsicles, pickles, preserves, pastries, fruits, protein and sugar. Used in the food industry and for sweetening diabetes diet.
- 2.Feed additives: pig feed, sweet agent.
- 3.Daily chemical industry: toothpaste, mouthwash, eye drops, etc.
- 4.Electroplating industry, used as a brightener.

Packaging

25kg/kraft paper bag
20MT/FCL with pallets
23MT/FCL without pallets

Storage & Handling

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product. Avoid dust formation and control ignition sources. Employ grounding, venting and explosion relief provisions in accord with accepted engineering practices in any process capable of generating dust and/or static electricity. Empty only into inert or non-flammable atmosphere. Emptying contents into a non-inert

atmosphere where flammable vapors may be present could cause a flash fire or explosion due to electrostatic discharge.

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