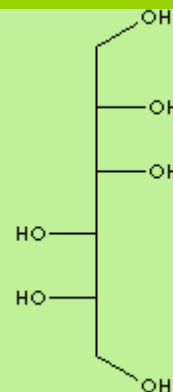


MANNITOL

PRODUCT IDENTIFICATION

CAS NO.	87-78-5, 69-65-8(D Form), 643-01-6(L form)
EINECS NO.	200-711-8
FORMULA	C ₆ H ₈ (OH) ₆
MOL WT.	182.17
H.S. CODE	2905.44
TOXICITY	
DERIVATION	
SYNONYMS	D-(+)-Mannitol; Isitol; 1,2,3,4,5,6-Hexanehexol; Diosmol; Cordycepic acid; D-mannite; Osmosal; Hexitol; Mannazucker (German); D-mannitol; Manicol; Manita;



Manna sugar; Mannidex; Mannite; Osmitol;

CLASSIFICATION

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	white crystalline powder
MELTING POINT	167 - 170 C
BOLING POINT	295 C
SPECIFIC GRAVITY	1.52
SOLUBILITY IN WATER	Soluble
pH	
VAPOR DENSITY	
AUTOIGNITION	
NFPA RATINGS	Health: 0 Flammability: 1 Reactivity: 0
REFRACTIVE INDEX	
FLASH POINT	
STABILITY	Stable under ordinary conditions

GENERAL DESCRIPTION & APPLICATIONS

Mannitol, white crystalline powder, is a straight-chain alcohol having 6 hydroxyl groups with slightly sweet taste. It has a property of limited water solubility and remains powdery and granular on long storage. It is widely used used in medicine and as a dietary supplement. It is used as a dietetic sweetener and in medical tests of renal function.

SALES SPECIFICATION

BIBLIOGRAPHY	USP/BP/CP
APPEARANCE	white crystalline powder
ASSAY	96.0 - 101.5%
LOSS ON DRYING	0.3% max
REDUCING SUGARS	pass
OPTICAL ROTATION	+137° ~ +145°
SULFATES	0.01% max
CHLORIDES	70 ppm max
ASH	0.1% max
ARSENIC	1ppm max
HEAVY METALS	5ppm max
ACIDITY	0.3ml max
MELTING RANGE	164 - 168 C

TRANSPORTATION

PACKING 25kgs in fiber drum

HAZARD CLASS Not regulated

UN NO.

OTHER INFORMATION

Hazard Symbols: n/a, Risk Phrases:n/a Safety Phrases: 24/25