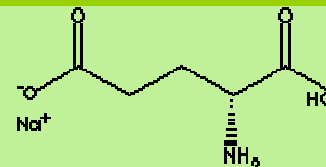


MONOSODIUM GLUTAMATE

PRODUCT IDENTIFICATION

CAS NO.	142-47-2 (Anhydrous) 6106-04-3 (Monohydrate)
EINECS NO.	205-538-1
MOL WT.	187.13
FORMULA	HOOCCH ₂ CH ₂ CH(NH ₂)COONa ·H ₂ O
H.S. CODE	2922.42
TOXICITY	Oral rat LD50 16,600 mg/kg
SYNONYMS	Glutamic acid, monosodium salt; MSG;



L-Glutamic Acid Monosodium Salt; Sodium L-Glutamate, Mono; L-(+)-sodium glutamate; Glutamate monosodium salt; monosodium-L-glutamate; sodium-L-glutamate; L-Glutamic acid, monosodium salt, monohydrate; Glutammato Monosodico (Italian); Natriumglutaminat (German); Hidrogenoglutamato de sodio (Spanish); Hydrogénoglutamate de sodium (French);

DERIVATION

CLASSIFICATION

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	white crystals
MELTING POINT	232 C
BOILING POINT	
SPECIFIC GRAVITY	1.618
SOLUBILITY IN WATER	100 mg/100ml
pH	7.0 (0.2% solution)
VAPOR DENSITY	
AUTOIGNITION	
NFPA RATINGS	Health: 0 Flammability: 0 Reactivity: 0
REFRACTIVE INDEX	
FLASH POINT	
STABILITY	Stable under ordinary conditions

APPLICATIONS

Monosodium Glutamate, commonly known as MSG, is a sodium salt of an amino acid (L-glutamic acid). It is a white crystalline substance soluble in water and alcohol; practically odorless. MSG is used to intensify flavours of foods. It is produced by a bacterial fermentation process with starch or molasses as carbon sources and ammonium salts as nitrogen sources (Steffen process). MSG is not a direct taste enhancer but a complex flavour enhancer for gravies, meats, poultry, sauces, and in other combinations. It is also used to enhance the taste of tobacco and has been used medically to treat hepatic coma.

SALES SPECIFICATION

APPEARANCE	white, practically odorless, free-flowing crystals
CONTENT	99.0 % min (as msg monohydrate)
OPTICAL ROTATION	+ 24.8 ~ + 25.3 (10% G/G)
LOSS ON DRYING	0.3% max
pH	6.7 - 7.2 (5% Sol. G/G)
As	3ppm max
Zn	25ppm max
Cu	30ppm max
Pb	10ppm max

SODIUM CONTENT	12.0 -12.5 %
PARTICLE SIZE	60 - 80 mesh
TRANSPORTATION	
PACKING	25kg Net Inner Pe Outer Pp Woven(Or Kraft Paper) Bag
HAZARD CLASS	Not regulated
UN NO.	
PRICE INFORMATION	