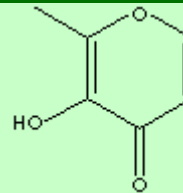


MALTOL

PRODUCT IDENTIFICATION

CAS NO	118-71-8
EINECS NO.	204-271-8
FORMULA	C ₆ H ₆ O ₃
MOL WT.	126.12
H.S. CODE	2932.90
TOXICITY	Oral rat LD50: 1410 mg/kg
SYNONYMS	hydroxymethylpyrone; 2-methyl-3-hydroxy-4-pyranone; 2-methyl-3-hydroxy-4-pyrone; 2-methyl-3-hydroxy-gamma-pyrone; 2-methyl pyromeconic acid; 3-hydroxy-2-methyl-4H-pyran-4-one; Palatone; Veltol; Larixinic Acid; 3-Hydroxy-2-methyl-4-pyrone; 3-hydroxy-2-methyl-gamma-pyrone; Larixic Acid;



DERIVATION

CLASSIFICATION

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	White crystalline powder with a caramel like sweet odor
MELTING POINT	160 - 164 C (sublimes)
BOILING POINT	
SPECIFIC GRAVITY	
SOLUBILITY IN WATER	1.2 (g/100g)
pH	
VAPOR DENSITY	
AUTOIGNITION	
REFRACTIVE INDEX	
NFPA RATINGS	
FLASH POINT	
STABILITY	Stable under ordinary conditions

APPLICATIONS

Maltol, 3-hydroxy-2-methyl-4-pyrone, is a white crystalline powder featuring caramellike odor; soluble in water and glycerine, slightly soluble in alcohols, chloroform; melting point 161 C. It is used as a flavoring agent in bread and cakes. Maltol and its derivatives are used as versatile flavor enhancer and modifier (sweet, caramel, fruity, strawberry) in foods, wines, and perfumes.

SALES SPECIFICATION (FCC IV)

APPEARANCE	White crystalline powder
CONTENT	99.0% min
MELTING POINT	160 - 164 C
HEAVY METAL	10ppm max
ARSENIC	3ppm max
MOISTURE	0.5% max
RESIDUE ON IGNITION	0.2% max

TRANSPORTATION

PACKING	25kgs in fiber drum
HAZARD CLASS	
UN NO.	

OTHER INFORMATION

FEMA Number: 2656

Hazard Symbols: XN, Risk Phrases: 22/36/37/38, Safety Phrases: 26/37/39

