


# GLYOXAL

## PRODUCT IDENTIFICATION

CAS NO.	107-22-2	
EINECS NO.	203-474-9	
FORMULA	HCOCHO	
MOL WT.	58.04	
H.S. CODE	2912.19	
TOXICITY	Oral rat LD50: 7070 mg/kg	
SYNONYMS	Ethane-1,2-dione; Ethanedial; Oxalaldehyde 1,2-Ethanedione; Glyoxylaldehyde; Biformal; Biformyl; Diformyl; Ethanedione; Glyoxal aldehyde; Glyoxylaldehyde; Oxal; Diformal; Ethane-1,2-dione; Ethandial; Glioxal (Spanish);	
DERIVATION		
CLASSIFICATION		

## PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Colorless, deliquescent powder
MELTING POINT	15 C
BOILING POINT	51 C
SPECIFIC GRAVITY	1.27
SOLUBILITY IN WATER	Miscible
pH	2.0 - 2.7
VAPOR DENSITY	2
AUTOIGNITION	285 C
NFPA RATINGS	
REFRACTIVE INDEX	
FLASH POINT	
STABILITY	Stable under ordinary conditions

## APPLICATIONS

Glyoxal, difunctional low mole weight aldehyde, is a highly reactive intermediate used for the preparation of copolymers, dyes, pharmaceuticals, pesticides, corrosion inhibitors and photographic chemicals. It is used as a dispersant water soluble polymers, starches, cellulosic materials, proteins (casein, gelatin and animal glue), and polyhydroxyl groups. It is used in soil and cement stabilizing. It is also used to improve moisture resistance in paper, leather and glue. It is used in embalming fluids, for leather tanning, and for rayon shrink-proofing. It is used as a sulfide scavenger.

## SALES SPECIFICATION

40%	
APPEARANCE	Clear to pale yellow liquid
ASSAY	40 ± 0.5%
FREE ACID	0.15% max
FORMALDEHYDE	0.15% max
COLOR, APHA	30 max

## TRANSPORTATION

PACKING	250kgs in drum
HAZARD CLASS	8 (Packing group: II)
UN NO.	1760

## PRICES

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