

## CRYSTALLINE GLYOXAL

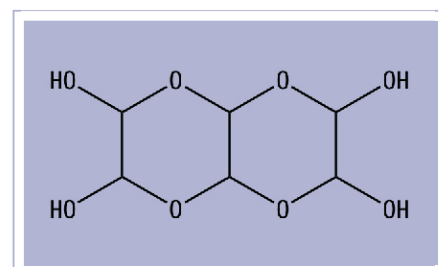
### PRODUCT DESCRIPTION

Crystalline Glyoxal is represents a mix of a hydrated glyoxal oligomers, the basic component is hydrated glyoxal trimer (dihydrate glyoxal trimer  $C_6H_{10}O_8 \cdot 2H_2O$ ). The product is dissolved in water to form a glyoxal solution equal to Glyoxal, 40% water solution.

The product is used as a high-purity anhydrous glyoxal form:

- as a feed for organic synthesis;
- as a feed for production of pharmaceutical substances;
- as a modifier of glues and resins;
- as a modifier of polymer material.

### Structural formula



CAS: 4405-13-4

Chemical name: glyoxal trimer, dihydrate

Molecular (gross) formula:  
 $C_6H_{10}O_8 \cdot 2H_2O$

### SPECIFICATIONS

Appearance	powder from white to yellowish-beige color
Mass fraction of glyoxal, %	at least 80
Ethylene glycol, %	not more than 0.03
Formaldehyde content, %	not more than 0.7
Loss on drying, %	not more than 1.0

### PRODUCT SAFETY

Product corresponds to 3 class of hazard according to Russian state standard GOST 12.1.007 (moderately hazardous substances). Caustic substance. Causes chemical burns of skin, visual organs and air passages.

Personal protection equipment: eye-shields, rubber gloves, protective clothes, respirator RPG-67 (patron of type A).



H341; H332; H319; H315; H317;  
**WARNING**

### Certified product

Manufacturer: "Novochem" LLC (Tomsk)  
 Crystalline Glyoxal TS 2633-004-67017122-2011