



AN ILLOVO SUGAR AFRICA COMPANY

## Technical Data Sheet

November 2019

### 2,3-PENTANEDIONE

Acetyl Propionyl



Molecular Weight 100.12

### Physical Description

Clear yellow liquid with a penetrating aroma and buttery on dilution.

### Specification

Complies with Food Chemicals Codex Specification (5<sup>th</sup> Edition, January 2004, pg 608-609)

2,3-Pentanedione Assay, wt % minimum	98.0%
Refractive Index at 20°C	1.402 to 1.406
Specific Gravity at 25/25°C	0.952 to 0.962
Arsenic (as As)	Less than 3 ppm
Lead (as Pb)	Less than 2 ppm
Cadmium (as Cd)	Less than 1 ppm
Mercury (as Hg)	Less than 1 ppm

Analytical methods available on request.

Shelf Life – 2 years from date of manufacture.

### Packing

2,5 kg Aluminium Bottles, 20 kg Lined Drums and 200 kg Lined Drums

**FDA 121.1164**  
**UN No. 1224**

**FEMA No. 2841**  
**IMCO Class 3.0**

**CAS 600-14-6**  
**Tariff Code 2914.19**

### Storage

All drums should be stored in a cool place, preferably below 25°C, because of its volatile nature and tendency to polymerise or breakdown.

### Safe Handling of 2,3-Pentanedione

2,3-Pentanedione containers should be kept well sealed. Eye protection and respirators must be worn. If 2,3-Pentanedione comes into contact with the eyes, wash well with water. A physician should be contacted as soon as possible. The liquid is flammable and all necessary precautions must be taken.

The information given in this sheet is based on work in our laboratories as well as reported results of other workers in this field and is offered without guarantee and no patent liability is assumed.

Refer to Section 11. of the SDS for maximum levels of consumption.

Reviewed on 06 November 2019