

Specification

Diacetyl Synthetic FCC

I. Identity

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|----------------|-----------|
| CAS Number | 431-03-8 |
| Product Number | 772-2005 |
| EC Number | 207-069-8 |
| FEMA Number | 2370 |
| JECFA Number | 408 |
| Flavis Number | 07.052 |

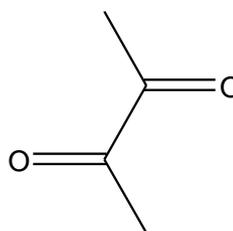
III. Physical & Chemical Data

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|------------------|---|
| Appearance | Yellow to yellowish green liquid. |
| Odor | Sweet, strongly buttery, creamy, milky odor and flavor. |
| Molecular Weight | 86.09 |
| Purity by GC | 98.0% min. |
| Density | 0.978--0.988 at 25 °C |
| Refractive Index | 1.393-1.397 at 20 °C |
| Flash Point | <10 °C |
| Boiling Point | 88°C at 760 mm Hg |
| Solubility | Soluble in water, miscible in alcohol, most fixed oils and propylene glycol. |
| Occurrence | In many food flavors such as butter, milk, fruits, wine, roasted products, vinegar, yogurt, coffee, raspberry, milk, cheddar cheese, butter |

V. Additional Information

| | |
|---------------|-----------|
| Version | 5.0 EN |
| Revision Date | Feb, 2023 |

II. Chemical Structure



Synonyms:

2,3-Butanedione

Formula: C₄H₆O₂

IV. General Information

Uses: Fragrance agents.

Storage: Keep away from heat, sparks and flames. Store in a tightly closed and suitable container, containers should be stored in a cool and dry place.

Handling: Measures should be taken to prevent contact from skin and eyes. Vapors may form explosive mixtures with provide suitable air extraction ventilation in the work areas. Avoid contact with heat, sparks and flames, smoking should not be permitted in work areas.

Shelf Life: 24 months.

Product Safety: SDS available upon request.