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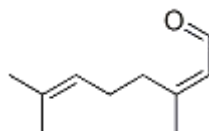
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Technical Data Sheet

Citral

Product Information

Product Name	Citral
Synonyms	3,7-Dimethyl-2,6-octadienal; cis,trans-Citral
CAS No.	5392-40-5
EINECS No.	226-394-6
Molecular formula	C ₁₀ H ₁₆ O
Molecular weight	152.23
Chemical structure	



Physical Properties

Colorless or light yellow liquid, with intense lemon flavor.
Soluble in non-volatile oil, volatile oil, propylene glycol, ethanol,
insoluble in glycerin and water. Instability in the alkaline and acid.

Density	0.888g/mL at 25°C
Melting Point	-10°C
Boiling Point	229°C
Flashing Point	215°F
Refractive index	1.488
FEMA	2303
Water solubility	Practically insoluble

Specification

<u>Items</u>	<u>Synthesis</u>	<u>Natural</u>
Appearance	Pale yellow to yellow transparent liquid	Pale yellow to yellow transparent liquid
Odor	Strong aroma of lemon	Central odor
Density(25°C/25°C)	0.889 ~ 0.894	0.885 ~ 0.891
Refractive index (20°C)	1.4850 ~ 1.4930	1.4860 ~ 1.4900
Solubility (25°C)	Dissolve in 70% ethanol	Dissolve in 70% ethanol
Citral content	≥97.00%	≥96.00%

Safety

Citral is not dangerous material, it's belong to poisonous material.
Always refer to the Material Safety Data Sheet (MSDS)

Applications

- 1) Citral as a flavoring agent, mainly used for the preparation of lemon, citrus and assorted fruit flavors.
- 2) Citral used for artificial lemon oil, citrus oil modulation.
- 3) Citral used as the material of synthesis ionone, methyl ionone and damascenone.
- 4) Citral widely used in tableware detergents, soap, toilet water flavoring agent.
- 5) Citral used for the manufacture of vitamin A, vitamin E and chlorophyll in the pharmaceutical industry.
- 6) Citral as organic raw materials can be reduced to citronellol, nerol and geraniol. It can also be converted into lemon nitrile.

Packaging

180kg galvanized iron drum, 14.4mt per 20'ft container

Storage & Handling

Store in cool, dry and well-ventilated place. Keep container tightly closed..
Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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