



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

D1508 Xincheng Business Center,
Qianshan Road, Hefei 230022 China
Tel : (0086) 551 65418695
Fax: (0086) 551 65418697
Email: info@tnjchem.com
Site: www.tnjchem.com

Technical Date Sheet

Basic information

Chemical name	Citral	Formula	C10H16O
Synonyms	3,7-Dimethyl-2,6-octadienal; cis,trans-Citral	Chemical structure	
CAS.No.	5392-40-5		
EINECS No.	226-394-6		
Molecular weight	152.23		

Physical properties

Appearance	Colorless or light yellow liquid, with intense lemon flavor.
Density,20°C, g/cm3	0.888g/mL at 25°C
Boiling point, °C	229°C
Melting point, °C	-10°C
Flash point, °F	215°F
Refractive index	1.488
Solubility	Soluble in non-volatile oil, volatile oil, propylene glycol, ethanol, insoluble in glycerin and water. Instability in the alkaline and acid.

Specification

Items	Synthesis	Natural
Appearance	Pale yellow to yellow transparent liquid	Pale yellow to yellow transparent liquid
Odor	Strong aroma of lemon	Centrol 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%

Application

- 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.

Package

- 180kg/ Galvanized drum, 14.4mt per 20'ft;



Safety on transportation

It belongs to common goods, always refer to MSDS.

Storage and handling

Keep tightly closed, store in a cool dry place.

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.

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