# **HYDROCARBONS**



# Hydrocarbon Compounds

Hydrocarbon compounds are compounds that consist only of carbon and hydrogen atoms. Hydrocarbons can be divided into 2, namely:

## a. Saturated Hydrocarbons: single bonds

including saturated hydrocarbons:

- Alkane: open chain (C<sub>n</sub>H<sub>2n+2</sub>)
- a Cycloalkane : closed chain (C<sub>n</sub>H<sub>≥n</sub>)

#### b. Unsaturated Hydrocarbons: double bonds

- Alkene : double bond (C<sub>n</sub>H<sub>2n</sub>)
- Alkyne : triple bond (C<sub>n</sub>H<sub>2n-2</sub>)
- Alkadiene : two double bonds (C<sub>n</sub>H<sub>2n-2</sub>)



# Nomenclature of Alkanes

The nomenclature of alkanes is the basis for the nomenclature of other carbon compounds. Therefore the nomenclature of alkanes must be thoroughly understood.

#### Here are the names of askanes from C1-C10:

| Formula                        | Name    | Formula                         | Name    |
|--------------------------------|---------|---------------------------------|---------|
| CH4                            | methane | C6H14                           | hexane  |
| C <sub>2</sub> H <sub>6</sub>  | ethane  | C7H16                           | heptane |
| C <sub>3</sub> H <sub>8</sub>  | propane | C <sub>8</sub> H <sub>18</sub>  | octane  |
| C4H10                          | butane  | C9H20                           | nonane  |
| C <sub>5</sub> H <sub>12</sub> | pentane | C <sub>10</sub> H <sub>22</sub> | decane  |

#### Atkene names :

 $C_2H_4$  = ethylene

 $C_3H_6$  = propene

# **Hydrocarbons Note Taking Guide**

**Emilie Sanchez** 

#### **Hydrocarbons Note Taking Guide:**

Manual on Hydrocarbon Analysis A. W. Drews, 1998 Manual on Hydrocarbon Analysis ,1977 Focus on Physical Science California Edition Michael J. Padilla, 2007 Manual on Hydrocarbon Analysis ASTM Committee D-2 on Petroleum Products and Lubricants, 1977 Guidelines for Fire Protection in Chemical, Petrochemical, and Hydrocarbon Processing Facilities CCPS (Center for Chemical Process Safety), 2010-08-13 While there are many resources available on fire protection and prevention in chemical petrochemical and petroleum plants this is the first book that pulls them all together in one comprehensive resource This book provides the tools to develop implement and integrate a fire protection program into a company or facility s Risk Management System This definitive volume is a must read for loss prevention managers site managers project managers engineers and EHS professionals Note CD ROM DVD and other supplementary materials are not included as part of eBook file **Hydrocarbon Processing** ,1984-10 Fluid Catalytic Cracking Handbook Reza Sadeghbeigi, 2012-01-16 Process flow description FCC Feed Characterization FCC Catalysts Chemistry of FCC reactions Unit monitoring and control Products and economics Project management and hardware design Troubleshooting Emerging trends in fluidized catalytic cracking Appendixes Total correlations n d M correlations API correlations ASTM to TBP conversion Definitions of fluidization terms Glossary Index Compressor Handbook for the Hydrocarbon Processing Industries ,1979

**Professional Guide to Diseases** Lippincott Williams & Wilkins, 2009 Offers a good introduction to the study of diseasees Each major entry includes information on the causes signs and symptoms diagnosis and treatments of various Guidelines for Investigating Chemical Process Incidents CCPS (Center for Chemical Process Safety), 2010-08-13 diseases This book provides a valuable reference tool for technical and management personnel who lead or are a part of incident investigation teams This second edition focuses on investigating process related incidents with real or potential catastrophic consequences It presents on the job information techniques and examples that support successful investigations The methodologies tools and techniques described in this book can also be applied when investigating other types of events such as reliability quality occupational health and safety incidents The accompanying CD ROM contains the text of the book for portability as well as additional supporting tools for on site reference and trouble shooting Note CD ROM DVD and other Pitch Perfect Erica Sadun, Steve Sande, 2013 Offers supplementary materials are not included as part of eBook file advice on marketing Web applications covering such topics as positioning products crafting pitches building relationships and tracking and targeting bloggers and identifies common marketing mistakes Handbook of Industrial Toxicology and Hazardous Materials Nicholas P. Cheremisinoff, 1999-01-12 Providing vital safety information on over 1000 commercial chemicals this work explores up to date data on fire and chemical compatibility response methods for incidents involving chemical spills and fires and personnel and worksite safety monitoring and sampling The book includes more than 700 illustrations structures equations and tables and a glossary with over 700 definitions iPad Air 2025 Made Simple Sophie

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CharcoalRemedies.com: the Complete Handbook of Medicinal Charcoal and Its Applications John Dinsley,2005 In a day when the fourth leading cause of death in America is due to adverse effects of properly prescribed drugs Jounal of American Medical Association July 2000 many are asking Are there not safer alternatives Yes there are Allow me to introduce to you one extraordinary yet simple natural remedy Activated medicinal charcoal Charcoal What is it We drink water filtered by it breath are scrubbed with it eat food purified through it wear clothes made with it preserve things in it go to war with it enjoy hundreds of dishes cooked by it we move mountains with it we make the night sky sparkle with it grow our food and flowers in it we take it with us to the bottom of the deepest oceans and out into space swim in water washed with it draw our inspirations with it record man s history dipped in it and then we call upon it to clean up many of our environmental mistakes Not least and not last medicinal charcoal plays an increasingly significant role in maintaining restoring and enhancing man s level of health No wonder we naturally warm up to it I heartily recomment CharcoalRemedies com The Complete Handbook of Medicinal Charcoal and It s Applications by author John Dinsley As a physician as a mother and grandmother as a public health educator for the past 41 years I have come to fully trust the efficacy and safety of charcoal as simple yet powerful

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<u>Federal Energy Guidelines</u> United States. Federal Energy Regulatory Commission, <u>Legal Compilation; Statutes and Legislative History, Executive Orders, Regulations, Guidelines and Reports</u>, 1973

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