

ACETALDEHYDE

(Green process
from bio-based Ethanol)





Acetaldehyde

Acetaldehyde is an organic chemical compound with the formula CH_3CHO . It is one of the most important aldehydes, occurring widely in nature and being produced on a large scale in industry. Pure acetaldehyde is a colourless, miscible with water, flammable liquid with pungent, fruity odour.

Jubilant holds global leadership position in Acetaldehyde manufacturing from bio route.

Packaging & Transportation

Acetaldehyde is transported in Stainless Steel ISO tankers under pressure with nitrogen blanketing. Special care is taken for safety measures in compliance with goods transportation regulations.

**REACH
STATUS**

Registered as Transported Isolated Intermediate (TII)

Chemical Information

Product IUPAC Name:

Acetaldehyde

Synonyms:

Ethanal, Acetic Aldehyde, Ethyl Aldehyde

Molecular Formula:

$\text{C}_2\text{H}_4\text{O}$

Molecular weight:

44.1

CAS Number:

75-07-0

Applications

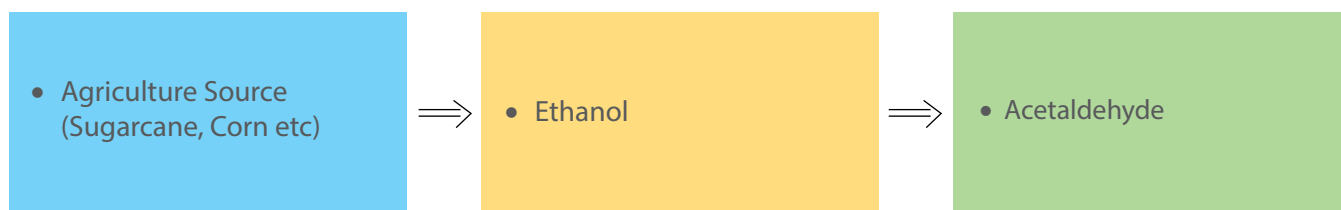
Acetaldehyde is widely used in manufacturing of intermediate chemicals for following segments.

- Paint binders
- Plasticizer
- Cosmetic ingredients
- Foods and flavours ingredients
- Pharmaceutical intermediates
- Agrochemicals
- Disinfectants

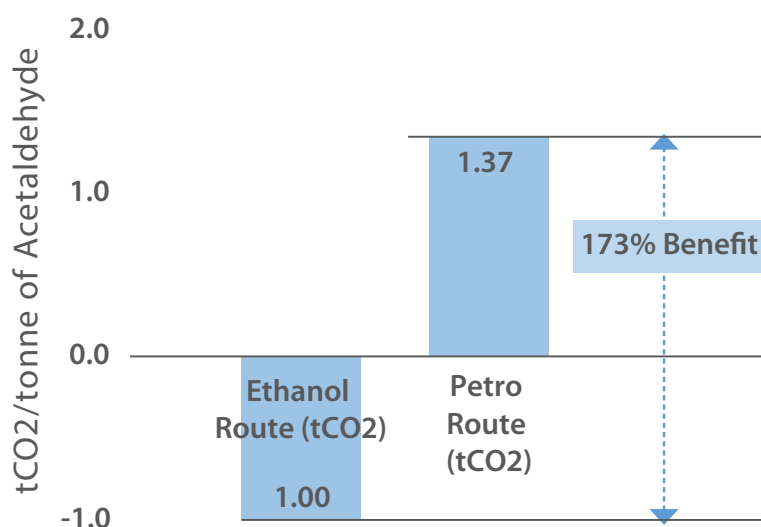


Green Acetaldehyde – Derived from bio based ethanol

Jubilant produces acetaldehyde from bio based ethanol. Company is committed to environment sustainability and supports green chemistry by maximising use of bio inputs in manufacturing.



Carbon Foot Print




Source : Carbon footprint study conducted by Ernst & Young

Jubilant Acetaldehyde helps customers in their environment initiatives in converting their supply chain greener, with relatively smaller carbon footprint. Company's production process has high environmental standards and generates lower CO₂ levels compared to petrochemical based acetaldehyde.

Jubilant manufacturing process produces 237% less CO₂ per tonne of acetaldehyde as compared to the petro route.

Additionally, our chemical plant uses a very advanced effluent treatment processes to make the process environmental friendly.





The Life Science
Ingredients segment
of Jubilant Life Sciences
is engaged in Specialty
Intermediates, Nutritional Products
and Life Science Chemicals through
five manufacturing facilities in India.

Serving customers in over 80 countries,
the segment offers a broad portfolio
of high quality ingredients that find
application in wide range
of industries.

MANUFACTURING FACILITIES

UTTAR PRADESH

• Gajraula

GUJARAT

• Bharuch
• Samlaya

MAHARASHTRA

• Nira
• Ambarnath

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