

## RC Catalyst 201 CAS12013-82-0 Rhine Chemistry

RC Catalyst 201 is a homogeneous, neutral, solid catalyst with high activity and selectivity for the production of alpha-olefin from ethylene. It is a complex of titanium, aluminum, and chlorine and is usually provided in white powder form.

### Physical and chemical properties

Properties	value
CAS number	12013-82-0
Molecular Formula	$\text{TiCl}_3 \cdot \text{Al}(\text{CH}_2\text{CH}_3)_3 \cdot \text{Cl}_2$
Molecular weight	310.19 g/mole
Density	1.4g/cm <sup>3</sup>
Melting point	150 °C
Solubility	Insoluble in water; Soluble in toluene, xylene

	and other organic solvents
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## Apply

RC Catalyst 201 is used to produce alpha-olefin from ethylene. Alpha-olefin is a class of chemicals used in a variety of applications, including the production of cleaners, plastics, and lubricants.

## Advantages

RC Catalyst 201 has several advantages over other catalysts used to produce alpha-olefin, including:

**High activity:** RC Catalyst 201 is a very active catalyst, which means it can produce alpha-olefin in high yields.

**Selectivity:** RC Catalyst 201 is a highly selective catalyst, which means it can produce a high percentage of the desired alphaolefin product.

**Stability:** RC Catalyst 201 is a stable catalyst, which means it can be used for a long time without losing activity.

## Precautions for use

RC Catalyst 201 is a hazardous material and should be handled with care. Be sure to follow all safety precautions when working with RC Catalyst 201, including:

- Wear personal protective equipment (PPE), such as gloves, goggles, and respirators
- Work in a well-ventilated area
- Avoid contact with skin and eyes
- Dispose of waste properly

For more information on RC Catalyst 201, consult the Product Safety Data Sheet (SDS).



### **Shelf Life:**

Remain unopened for two years

**Storage and Transportation:**

Should be sealed, stored in a dry cool ventilated warehouse

**Packing:**

200KG/ barrel storage: It is recommended to store in a dry and cool area with proper ventilation. After the original packaging, please fasten the packaging cover as soon as possible to prevent moisture and other substances from mixing and affecting the product performance. Do not inhale dust and avoid contact between skin and mucous membrane. Smoking, eating and drinking are prohibited in the workplace. Shower and change after work. Store contaminated clothes separately and use them after washing. Practice good hygiene.

**Technical support and business contacts E-mail: [info@newtopchem.com](mailto:info@newtopchem.com)**