

## Iron oxide catalyst

# Activated Iron Oxide for Combustion Catalyst [TIC™]



### OVERVIEW

Iron oxide is used as a combustion additive since it has catalytic activity which makes other substances oxidize. The combustion catalyst "TIC™" is enhanced the catalytic activity to the maximum.

### FEATURES

**Superior combustion enhancement function**

TIC™ promotes to make even wet trash combust completely in an efficient way.

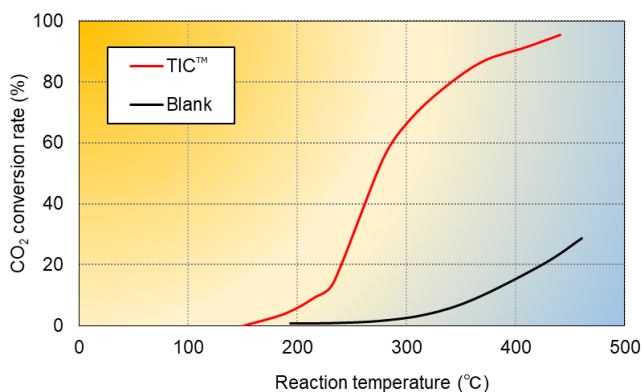
**Effect on decreasing dioxins generation**

TIC™ is effective in decreasing dioxins generation by complete combustion.

### CHARACTERISTICS

TIC™ is an activated Ferroxide™ powder consisting of  $\alpha$ -FeO(OH) which has high catalytic activity at low temperatures. TIC™ has a property of high conversion rate from CO to CO<sub>2</sub> as shown in the right figure.

"ROK™" is a masterbatch type of TIC™ which is used for material of plastic products. ROK™ reduces the effects on the environment when burning.



【CO conversion properties】



【Appearance of ROK™】



【Garbage bags for combustible waste using ROK™】

### APPLICATIONS

- Combustion additive for waste incinerators
- Combustion additive for coal/biomass power generation
- Eco-friendly plastic products

