

# KATALOX-LIGHT® TURN IRON INTO A TREATMENT ADVANTAGE.

**More than iron and manganese removal.**

Harness freshly formed iron hydroxide to help capture arsenic and phosphate.

## IRON IS COMMON IN GROUNDWATER. MAKE IT WORK FOR YOU.

When dissolved iron is oxidized, it forms fresh ferric hydroxide and oxyhydroxide particles. These provide active surfaces that bind arsenic and phosphate. Katalox-Light® retains the resulting solids in the filter bed.



## ARSENIC + PHOSPHATE CAPTURE WITH IRON HYDROXIDE

Adsorption and co-precipitation turn iron removal into an additional treatment opportunity. Effective capture depends on sufficient available iron, contaminant loading and water chemistry.



## pH MATTERS FOR MANGANESE.

Suitable pH supports catalytic oxidation and the removal of dissolved manganese as insoluble manganese oxides. Where the feed-water pH is too low for the selected process, raising it is an important treatment step.

### pH SUPPORT WITHIN THE MEDIA

Katalox-Light® can raise water pH through its alkaline components. In suitable waters, this can reduce or avoid separate pH-raising chemical dosing. The achieved pH and duration of this effect depend on the feed water and operating conditions.

# ONE ENGINEERED MEDIUM. MULTIPLE TREATMENT FUNCTIONS.



### IRON

oxidation and  
solids capture.



### MANGANESE

catalytic oxidation  
and filtration.



### ARSENIC

iron-assisted adsorption  
and co-precipitation.



### PHOSPHATE

capture on freshly  
formed iron hydroxide.



### TURBIDITY

fine-particle  
filtration.

**10% MnO<sub>2</sub> • POROUS ZEOLITE BASE • DEVELOPED IN GERMANY**

**THE FUTURE HAS A NAME. KATALOX-LIGHT BY WATCH WATER®**

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**WATCH WATER®**  
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