



molekō™

ekoFITE™

**YOUR DEFENSE AGAINST
CORROSION AND PIPELINE
INTEGRITY ISSUES**

MOLECULES ON THE MOVE



PROTECT YOUR OIL & GAS INFRASTRUCTURE WITH ekoFITE™

In the oil and gas industry, protecting your infrastructure from corrosion is critical. Pipelines, storage tanks, and equipment are vulnerable to oxygen, moisture, and contaminants that lead to expensive damage. ekoFite goes beyond simple oxygen scavenging—it's a reliable and essential tool for maintaining the integrity of your oil and gas infrastructure.

HOW MOLEKO'S ekoFITE CAN HELP.

- **Corrosion Prevention in Pipelines** - Oxygen in pipelines transporting crude oil, natural gas, or water accelerates corrosion, compromising their structural integrity. ekoFite neutralizes dissolved oxygen, preventing rust and oxidation, safeguarding your pipelines and extending their service life.
- **Storage Tank Protection** - Tanks used for storing oil, gas, or water are prone to internal corrosion when oxygen is present. ekoFite eliminates oxygen from the stored liquids, protecting tank interiors from corrosion, reducing leaks, and preventing contamination.
- **Water Flooding Operations** - In secondary recovery techniques like water flooding, oxygen in injected water can corrode downhole piping and surface infrastructure. ekoFite efficiently removes oxygen, reducing corrosion risk and supporting efficient extraction with less maintenance.
- **Boiler and Steam Generation Systems** - Refineries and gas plants use steam system, which are susceptible to oxygen-induced corrosion. ekoFite scavenges oxygen from feedwater, protecting boilers, condensers, and heat exchangers from oxidative damage, ensuring smooth operation.

WHY USE MOLEKO ekoFITE

- Cost-Effective Oxygen Scavenger** - ekoFite is a cost-efficient solution, offering reliable protection at a lower cost compared to alternatives.
- Easy Integration into Existing Systems** - ekoFite is compatible with standard chemical dosing systems and can be easily incorporated into your current operations. It requires no significant infrastructure adjustments, ensuring smooth and straightforward implementation.
- Environmentally Responsible Corrosion Control** - ekoFite is a safer and more environmentally friendly alternative to traditional oxygen scavengers like sulfur dioxide. It produces fewer emissions and carries a lower environmental risk, making it a sustainable choice for large-scale operations focused on safety and efficiency.
- Low Toxicity and Environmental Impact** - Unlike sulfur-based alternatives, ekoFite does not release harmful gases, making it easier to comply with environmental regulations. It also poses a lower risk during handling and storage, creating a safer working environment.
- Seamless Integration into Oil & Gas Processes** - From upstream extraction to downstream refining, ekoFite integrates effortlessly into your operations. It can be used in pipelines, storage tanks, steam generation units, and water treatment facilities with minimal disruption. We provide expert support to ensure smooth adoption and optimal results from ekoFITE in your oxygen scavenging processes.

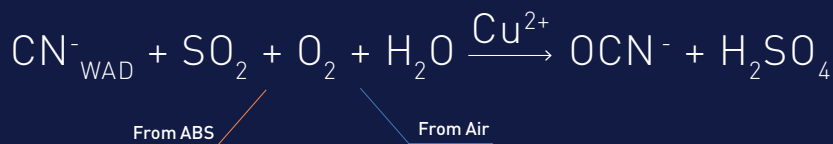
STRONG - HAS SIGNIFICANTLY MORE SO₂ AVAILABLE THAN ALTERNATIVE SOLUTIONS.

SO ₂ CONTENT @ 40 °C	Strength	Typical SO ₂ Content in solution
	% SO ₂	% SO ₂
ekoFITE	42-45	42-45
Commercial Sodium Bisulfite Solution	23-25	23-25
Sodium Metabisulfite	66	20-21
Burnt Sulfur	10-20	3-5

TYPICAL PROPERTIES

Active Ingredient (NH₄HSO₃)	60%-70%
Relative Density (g/cm³)	1.37 - 1.39
Relative Density (lbs/gal)	11.4 - 11.55
Boiling Point (°F)	228 - 230
Freezing Point (°F)	-22 - >70
pH	5.0 - 5.8
Color	Straw Yellow

PROCESS CHEMISTRY – THE INCO REACTION:



PACKAGING AND HANDLING

- ekoFITE is a water-based solution, available in bulk tank trucks or railcars.
- Store in well-ventilated areas. Do not store near non-compatible materials, per SDS.
- Keep away from any sources of heat or flame.
- Avoid contact with skin and eyes.
- Use ekoFITE in a well-ventilated area, and wash thoroughly after handling.
- Observe all safety precautions shown on the product label and in the safety data sheet.

Materials of construction suitable for storing and handling ekoFITE*:

- Stainless Steel
- Polypropylene
- Polyethylene

* Temperatures [up to 49°C (120°F)]

moleko™

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SCAN ME