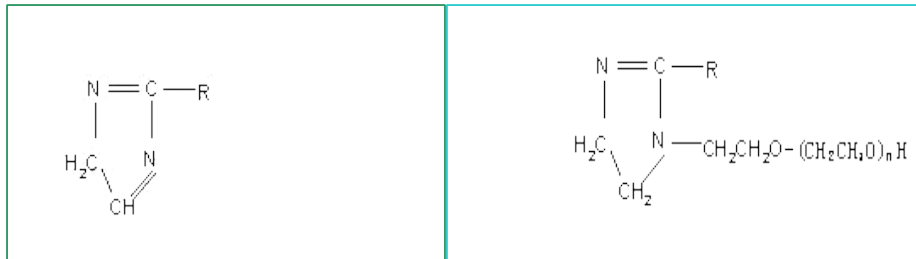


## Imidazoline intermedia introduction

● **Imidazoline corrosion inhibitor** can be used in the oil and gas exploration, refining and recycling of water treatment process.

● **Imidazoline** has good characteristics such as: Good effect, economic, simple preparation, low toxicity, environmental pollution, Non-ionic surfactant, soluble in water, excellent performance etc.

● **Molecular formula:**



**Oil-soluble imidazoline**

**Imidazoline polyethenoxy ether**

● **Characteristic:**

Items	Oil-soluble imidazoline	Imidazoline polyethenoxy ether
<b>Appearance</b>	<b>Dark brown liquid</b>	<b>Dark brown liquid</b>
<b>Solubility</b>	<b>Soluble in alcohol, hydrocarbon solvents</b>	<b>Soluble in water, alcohol</b>
<b>Content of effective components</b>	<b>≥98%</b>	<b>≥98%</b>
<b>PH (1% water solution)</b>	<b>—————</b>	<b>≥8.0</b>
<b>Amine value</b>	<b>150-180</b>	<b>150-180</b>
<b>Acid value</b>	<b>&lt;0.1mg KOH/g</b>	<b>&lt;0.1mg KOH/g</b>
<b>Ash content</b>	<b>&lt;0.01%</b>	<b>&lt;0.2%</b>
<b>Inhibition efficiency</b>	<b>&gt;90%</b>	<b>&gt;90%</b>



● **Dosage:**

We can use imidazoline as corrosion inhibitor independently, when you use it as a raw material of corrosion inhibitor, please add 5-15% for dilution.

● **Usage**

- ☆ crude oil, natural gas exploitation, gathering and transportation of the corrosion process.
- ☆ crude oil distillation, catalytic cracking, hydrotreating, hydrocracking unit in the fractionation tower, condenser cooling system corrosion.
- ☆ low and medium hardness, high alkalinity, low-concentration ratio of the cooling water system is running anti-corrosion.
- ☆ oil field injection water system, sewage treatment and corrosion.
- ☆ integrated water content, CO<sub>2</sub> higher oil gathering and transportation routes and anti-corrosion.

● **Packaging and storage**

- ☆ 200 kg plastic drums used for packaging, storing in a cool and ventilated place, is strictly prohibited fireworks.

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