



# Uniphos Chemicals

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## XF-701 (Carbohydrazide) Oxygen Scavenger

XF-701(carbohydrazide) is used as an oxygen scavenger to prevent corrosion especially in boiler feed system. It is used as an intermediate for organic synthesis as well.

|                            |                                  |
|----------------------------|----------------------------------|
| <b>Abbreviation</b>        | Carbohydrazide or CHD            |
| <b>Chemical Name</b>       | Carbohydrazide                   |
| <b>Synonymous Name</b>     | 1, 3-diaminourea                 |
| <b>Molecular Formula</b>   | CH <sub>6</sub> N <sub>4</sub> O |
| <b>Molecular Structure</b> |                                  |
| <b>Commercial Form</b>     | Solid                            |
| <b>CAS NO.</b>             | 497-18-7                         |

### Typical Properties

|                                  |               |
|----------------------------------|---------------|
| <b>Appearance</b>                | White crystal |
| <b>Active Content (%)</b>        | 98.0-100.9    |
| <b>pH (12% solution) @ 25 °C</b> | 7.2-9.7       |
| <b>Hydrazine</b>                 | 500ppm Max.   |
| <b>Loss Weight, %</b>            | 0.5Max.       |

### Packaging

25 kg nets in Carton Box or 25 kg nets in Fibre Drum

### Note:

XF-701 is likely to become caking due to its chemical property but this issue will not influence its efficiency.