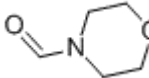


## Technical Data Sheet

### Basic information

Chemical name	N-Formyl Morpholine	Formula	C <sub>5</sub> H <sub>9</sub> NO <sub>2</sub>
Synonyms	4-Formyl Morpholine; NFM		
CAS.No.	4394-85-8	Chemical structure	
EINECS No.	224-518-3		
Molecular weight	115.13		

### Physical properties

Appearance	Colorless or pale yellow transparent liquid, with slight ammonia smell
Density, 25°C, g/cm <sup>3</sup>	1.145
Boiling point, °C	236-237
Melting point, °C	20-23
Flash point, °F	>230
Refractive index	1.485
Solubility	Soluble in water, benzene and other polar solvents

### Specification

Items	Specification
Appearance	Colorless or light yellow transparent liquid
Assay, %	≥99.50
Morpholine, %	≤0.10
Water, %	≤0.10
Free acid, %	≤0.01

### Application

- 1) Used for desulfurization of natural gas, synthetic gas, flue gas, natural gas, condensate oil and gasoline.
- 2) It is the best extraction solvent for petroleum aromatics, the most widely used solvent for recovery of aromatic hydrocarbons.
- 3) It is an excellent aprotic solvent and has high solubility and selectivity for aromatic hydrocarbons.

## Package

200kg per iron drum or plastic drum, 16mt per 20'ft;



## Safety on transportation

It belongs to common goods, always refer to MSDS.

## Storage and handling

Store in a segregated and approved area. Keep container in a cool, well-ventilated area.

Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Please refer to the Materials Safety Data Sheet (MSDS) for the handling methods.

*The information above is believed to be accurate and represents the best information currently available to us. However, In no event shall we be liable for any claims, losses, or damages of any third party resulting from its use.*

**Issue Date:** 1st,12,2016