

**Hukill Chemical Corporation**  
7013 Krick Road, Bedford OH, 44146  
PH 440-232-9400 FX 440-232-9477  
Technical Data Sheet

**Nitric Acid 42 Degree**  
CAS # 7697-37-2

**TECHNICAL DATA**

**TYPICAL ANALYSIS**

Nitric Acid (HNO<sub>3</sub>), %wt  
Nitrites (NO<sub>2</sub>), PPM  
Appearance  
Chlorides (Cl), PPM  
Fe (Iron), PPM  
Sulfate (SO<sub>4</sub>), PPM

**SPECIFICATIONS**

67% Minimum  
15 Maximum  
15 Maximum  
10 Maximum  
15 Maximum  
10 Maximum

**PHYSICAL PROPERTIES**

#/Gallon	11.75
Flash Point	None
Appearance & Odor	Water white to yellow liquid with pungent odor.
Physical State	Liquid
Stability - Conditions to Avoid	Stable-None.
Incompatibility	Metals, Alkalis, Organic materials. Reacts exothermically with water.
Hazardous Decomposition	Decomposes to form nitrogen oxides.
Polymerization - Conditions to Avoid	Will not occur-None.
Unusual Fire & Explosion Hazards	Oxidizers decompose, especially when heated, to yield oxygen or other gases which will increase the burning rate of other combustible matter. Contact with easily oxidizable, organic or other combustible materials may result in ignition, violent combustion or explosion.

**USES & APPLICATIONS**

Manufacture of ammonium nitrate for fertilizer and explosives, organic synthesis, metallurgy, photoengraving, etching steel, ore flotation, urethanes, rubber chemicals, reprocessing spent nuclear fuel.

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