



## PRODUCT SPECIFICATION

EP 020

REV 04

### IDENTIFICATION

<b>Chemical name</b>	Nitric Acid 53% (36°Be)
<b>Formula</b>	HNO <sub>3</sub>
<b>CAS Number</b>	7697-37-2

### PHYSICAL - CHEMICAL CHARACTERISTICS

<b>Appearance</b>	Liquid, clear and slightly yellowish.			
<b>Characteristic</b>	<b>Unit</b>	<b>Minimum</b>	<b>Maximum</b>	<b>Method</b>
Concentration	%	53.0	-	IT.CQ-0007
Density (20°C)	g/mL	1.325	-	IT.CQ-0007

### MAIN APPLICATIONS

Metallurgy, stripping, surface treatment, laboratory reagents, rubber, explosives, organic syntheses, photoengraving, electroplating, among others.

### OTHER INFORMATION

<b>UN No.</b>	2031
<b>Risk No.</b>	80
<b>Packaging</b>	In bulk (stainless steel tanks), drums or polyethylene IBC's.
<b>Cautious</b>	Toxic and corrosive product. Avoid contact with any part of the body. Inhalation or ingestion can cause severe burns or death. Reaction with water or moisture in the air releases toxic, corrosive and flammable gases. Contact with certain metals can release flammable hydrogen gas. PPE's to be used: Long sleeves, PVC boots and clothing, panoramic mask combined with compatible gas filter for acidic gases.
<b>Storage</b>	Keep stored in a covered and ventilated place away from the sun. Respect chemical incompatibility as provided in MSDS.
<b>Validity</b>	12 months, depending on ideal storage conditions.
<b>Legal requirements</b>	Product controlled by the Ministry of the Army and Federal Police - FP.

<b>Technical Specifications</b>	<b>Code</b>	<b>Description</b>
	105.01.0	Nitric Acid 53% (36Be)
	105.15.0	Nitric Acid 53% (36Bé) - BB50IN
	105.19.0	Nitric Acid 53% (36Bé) - BBC
	105.49.0	Nitric Acid 53% (36Bé) - IBCCL
	105.48.0	Nitric Acid 53% (36Bé) - IBCEV
	105.42.0	Nitric Acid 53% (36Bé) - IBCIN
	105.22.0	Nitric Acid 53% (36Bé) - TP200IU

<b>HISTORY OF CHANGES</b>		
<b>Date</b>	<b>Revision</b>	<b>Comments of Changes</b>
<b>2013-08-05</b>	<b>03</b>	Updating the document layout, the technical instruction for analysis, the type of packaging for transport, care regarding storage and legal requirements related to the product.
-	<b>04</b>	Revision of the form due to approval via the Qualiex system.