RG® CLEANER XC

Last update: 15 Jan 2025

Modified alcohol | HIO element-free

RG® CLEANER XC is a HIO element-free modified alcohol specifically for high purity use.

RG® CLEANER XC is a modified alcohol with a flash point of 63 °C for surface cleaning.

RG® CLEANER XC is a powerful solvent for cleaning of polar and non-polar impurities.

RG® CLEANER XC is a compound offering very high chemical stability at low toxicity.

1. PHYSICAL AND CHEMICAL PRODUCT PROPERTIES

Properties	liquid / colourless / characteristic
Flash point	63 °C
Boiling range	170 - 175 °C
Density (at 20°C)	0,88 g/cm³
Ignition temperature	250 °C
Vapour pressure at 20 °C	1,1 hPa
Lower / upper explosion limit	1,1 - 8,4 Vol%
Heat capacity	2,0 kJ/kg*K

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test parameters	test result [at%]		maximum values [at%]	result
chlorine content	<	0,01	0,30	confirmed
fluorine content	<	0,01	0,30	confirmed
sulfur content	<	0,03	0,50	confirmed
nitrogen content	<	0,01	1,00	confirmed
sodium	<	0,01	0,50	confirmed
manganese	<	0,01	0,20	confirmed
calcium	<	0,01	0,50	confirmed
magnesium	<	0,01	0,50	confirmed
lead	<	0,01	0,10	confirmed
indium	<	0,01	0,10	confirmed
tin	<	0,01	0,10	confirmed
zinc	<	0,01	0,10	confirmed
silicium	<	0,01	0,50	confirmed
phosphorus	<	0,01	0,50	confirmed

[at%] = atomic percent

2. APPLICATION RANGE

- Especially for applications in the high purity sector (such as the optical industry, high vacuum technology, semiconductor industry, medical and pharmaceutical technology)
- Cleaning of various materials
- For polar and non-polar impurities
- Cleaning of all shapes (e.g. parts with cavities, close clearances, very fine openings)

3. CHECKING AND CARE OF SOLVENTS

- Various laboratory services in the company-internal laboratory (e.g. oil compatibility tests, service analyses)
- Test kit for solvent checking:
  - o **GEISS® Quick-Test** (measurement of free acids in the acidic range, determination of alkalinity in the alkaline range, testing of solvents for chlorides)
  - o **GEISS® Digital Indexer** (determination of the concentration of anti-corrosion oils)
- Stabilisers for solvent care:
  - o **CLEANSTAB® 8 / CLEANSTAB® 8K** (increasing the alkalinity)
  - o **CLEANSTAB® AS** (reduction of acidity, increase in pH value)
  - o **CLEANSTAB® S** (reduction of acidity)

4. SAFETY RECOMMENDATIONS

- The safety data sheets must be generally observed.
- Please always observe the instructions of the system manufacturer.

5. CONTACT

Richard Geiss GmbH | Lüßhof 100 | D-89362 Offingen/Donau | T. +49 82 24 / 807-0 | Fax. +49 82 24 / 807-37 | www.geiss-gmbh.de