

TOPKLEAN™ MC 20D

SOLVENT FOR OILS AND GREASE ELIMINATION
COMPATIBILITY WITH ALL METALS, GLASS AND CERAMIC
VACUUM PROCESS

BENEFITS

PERFORMANCE & REALIBILITY	<ul style="list-style-type: none"> • Homologated by SAFRAN PR-1500A. • Alternative to chlorinated solvents such as perchlorethylene. • Free from aromatic and chlorinated compounds, the product provides operator safety • Absorbs large amounts of non-soluble oils due to its high lipophilicity as well as soluble oils because of its hydrophilicity. • Cleans easily and quickly small parts and parts with complex geometries thanks to its low viscosity.
COST	Its low evaporation causes a low consumption resulting in long lifetime of the baths.
OTHER APPLICATIONS	<ul style="list-style-type: none"> • Oxygenated product is used in addition to a dewatering when you have complex parts to get water, often use at the end of the process. • Corrosion inhibitor non film-forming and temporary protection of parts.

PRODUCTS	HYDROCARBON (TOPKLEAN™ MC 1153)	HYDROCARBON MIXTURE AND MODIFIED ALCOHOL (TOPKLEAN™ MC 121)	MODIFIED ALCOHOL (TOPKLEAN™ MC 20D)
SURFACE TENSION	36 dynes/cm	40 dynes/cm	52 dynes/cm

PHYSICOCHEMICAL DATA

SPECIFICATIONS	VALUES	METHODS
Appearance	Colorless	Visual
Density at 20°C (Kg/m ³)	800	ASTM D 4052
Indice d'acide (mg KOH/g)	< 0,01	
CHARACTERISTICS	VALUES	METHODS
Flash point (PMCC)	≥ 64 °C	ASTM D93
Viscosity at 25°C	1.6 mm ² /s	ASTM D 445
Vapour pressure at 20°C	1/6 hPa	No standard method
Surface tension at 20°C	23 mN/m	ASTM D 971
Latent heat of vaporization at boiling point	320 kJ/kg	Calculated
Heat conductivity at 20°C	0.13 W/m.K	Calculated
Specific heat at 20°C/50°C	2.0/2.1 kJ/kg.K	Calculated
Distillation interval	170-180 °C	ASTM D 1078

Relative evaporation rate	0.04 nBuAc=1	ASTM D 3539
Dielectric rigidity	200 kV/cm	DIN/VDE 0370/5
Miscibility in water	slightly miscible	-

PROCESS PARAMETERS*

CLEANING	Method: Vacuum machine with ultrasounds or spray in the work chamber Concentration : pure
OBSERVATIONS	Vacuum distillation can be easily driven in a closed circuit without affecting the composition and properties of the solvent

*The parameters will depend on such factors as operating conditions, cleaning time and the nature of contaminants

INVENTEC assists you in the study of the compatibility of pollutants with the product and in the process definition adapted to your need.

PACKAGING TYPE

Ref.	Capacity
17230	4 L
17228	20L
17229	200 L

STORAGE & VALIDITY

Store in closed container. Can be stored in mild steel drums, steel or polypropylene.
Storage life: 18 months.

HSE

TOPKLEAN™ MC 20D has a very low impact on environment and generates low emissions at use temperature. It has no ozone depleting potential; it is not miscible to water and decomposes biologically.

After use, it can be recovered and easily removed as waste oils whole.

Provide gloves and suitable safety glasses when handling.

Comply with the MSDS for use of the product.

ENVIRONMENTAL DATA	VALUES
Ozone depletion potential (ODP)	0
Greenhouse effect (GWP)	N/A
TOXICITY	
Mean Exposure Values MEV/ 8h	> 500 ppm
VOC	YES

This data is based on information that the manufacturer believe to be reliable and offered in good faith. In no event will INVENTEC be responsible for special, incidental and consequential damages. The user is responsible to the Administrative Authorities (regulations for the protection of the Environment) for the conformity of his installation.

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