



CLEANING

TOPKLEAN™ MC 20C

OIL REMOVAL
AQUEOUS IMMERSION & CO-SOLVENT PROCESS
VERSATILE PROCESS & APPLICATION

BENEFITS

TOPKLEAN MC 20C is an oxygenated solvent-based cleaning fluid to remove hydrocarbon oils, most water-soluble oils, and fingerprint residues from all metals and most plastics. It is also suitable for use as a dewatering agent in solvent-based drying processes.

Designed for versatility, it supports a wide range of contaminants and different cleaning processes (aqueous immersion & co-solvent), helping to reduce the number of different products needed within a single facility.

TOPKLEAN MC 20C is qualified and used by several actors in the Micromechanics industry.

PERFORMANCE	- Excellent solubility of a variety of oils - Excellent water or water-soluble oil retention, even for complex geometric parts - Compatibility with all metals, glasses, ceramic & many plastics
COST	- Supply-chain optimization - one product for different processes - Allows reduction in water consumption
HSE	- No CMR substances - No Ozon Depletion Potential (ODP) - No Global Warming Potential (GWP) - Relative high flash point - safe to use, storage & transport - No aromatics & halogenated compounds

SPECIFICATIONS

SPECIFICATIONS	VALUES	METHODS
Aspect	Transparent, colorless	Visual
Density at 20°C (g/ml)	0,950 ± 0,01	BRY MO 029

CHARACTERISTICS

CHARACTERISTICS	VALUES	METHODS
Boiling point	184-197°C/363-387°F	ASTM D1078
Flash Point	85°C/185°F	ASTM D93
Viscosity at 25°C (mm²/s)	4,1	ASTM D445
Surface tension at 20°C (dynes/cm)	23	ASTM D971
Relative evaporation rate : nBuAc=1	0,04	ASTM D3539
Dielectric rigidity (KV/cm)	200	DIN/VDE 0370/5
Miscibility in water	Miscible	Internal
Relative Vapor density at 20°C	4,6	Internal
Latent heat of vaporization (kJ/kg at bp)	320	Calculated
Specific heat (kJ/kg.K)	2,0/2,1	Calculated
Heat conductivity at 20°C (W/M.K)	0,13	Calculated
VOC (g/L)	960	

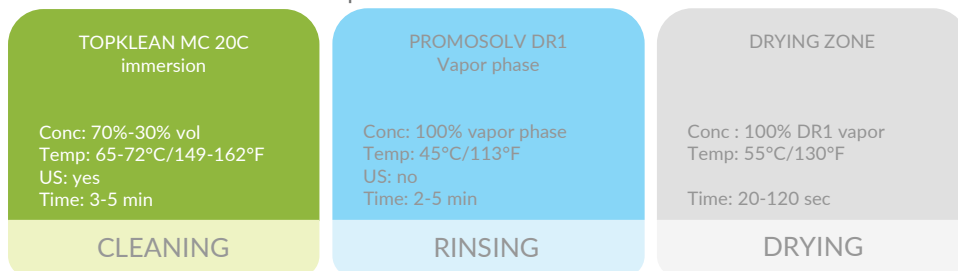
PROCESS RECOMMENDATION

The best process will depend on factors such as operating conditions, equipment, desired cleaning time and the nature of contaminants. Our team is ready to advise you.

- Do not remove parts too quickly out of the drying zone to prevent unwanted loss of solvent.
- A dedicated PCA Kit to monitor the bath status and compatibility report with different materials is available on request.

PROCESS EXAMPLE

Oil removal in mixed co-solvent process



PACKAGING, STORAGE & SHELF LIFE

- Keep products in closed original packaging and store at room temperature.
- Shelf life is minimum 5 years from production date when kept in recommended conditions.

AVAILABLE PACKAGING



200L DRUM

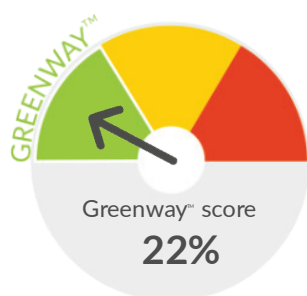


20L PAIL

Please verify the packaging details, including volume and availability, with your sales representative, as they may vary depending on the production facility where the product is manufactured.

HEALTH, SAFETY & ENVIRONMENT

TOPLEAN MC 20C is a **GREENWAY** product. More info on our Greenway concept via this [link](#).



MAIN CONTRIBUTORS WHICH REDUCE IMPACT:

HUMAN HEALTH & SAFETY

- Non-flammable & high flashpoint
- Non-toxic, no corrosive impact & no safety risk phrases

ENVIRONMENT PROTECTION & RESOURCES SAVINGS

- No GWP
- No environmental hazard: no H labelling
- Recyclable packaging used

Contains no Reach Substances (on Candidate list, Annex XIV & XVII) / Contains no persistent organic pollutant (EC 850/2004) / Contains no Import/Export Hazardous substances (EU 649/ 2012).

In accordance with the Annex II of Directive 2011/65/UE (RoHS), including its amendments, we certify that this product does not contains quantities above 0.1% of Hg, Pb, Cr VI, PBB, PBDE, DEHP, BBP, DBP, DIBP and above 0.01% of Cd.

Please refer always to the Safety Data Sheet (SDS or MSDS) prior to use. Our SDS can be downloaded at www.quickfds.com. We will request to provide your email address, so we can automatically send you a new version of the SDS when a future update would occur.

TECHNICAL SUPPORT & FREE-OF-CHARGE TESTING

Inventec has a worldwide dedicated Technical Support team to help you along the various stages of our cooperation.

Depending on your request, we provide online or onsite support

- to select the right product based on your specific needs.
- to assist you in your product qualification process.
- to guide you with the initial set up of your process at all your worldwide manufacturing facilities.
- to provide fast response on technical issues which could occur at any time during mass production.

Customers are also welcome in our CLEANING CENTERS to see the process in action and to get convinced by our solutions. We cover water- and solvent based processes.

Contact our technical support via contact@inventec.dehon.com or your local sales representative.

ABOUT INVENTEC

Inventec is a global provider of SOLDERING, CLEANING, COATING, COOLING materials for Electronic, Semiconductor and Industrial applications. For over 60 years we have shown leadership in innovation by putting HEALTH IMPACT, SUSTAINABILITY and RELIABILITY at the core of our product development.

With ISO 9001 & 14001 production sites in France, Switzerland, USA, Mexico, Malaysia and China we can guarantee a smooth and cost-effective supply chain.

We supply to many industries but the excellent performance of our products in applications which demand high reliability, leads us to focus especially on the AUTOMOTIVE, AEROSPACE, SEMICONDUCTOR, ENERGY and MEDICAL industry.

www.inventec.dehon.com



SOLDERING
CLEANING
COATING
COOLING

This data is based on information that the manufacturer believes to be reliable and offered in good faith. In no event will INVENTEC PERFORMANCE CHEMICALS 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.

Inventec Performance Chemicals – 26 rue de Coulons. 94360 Bry-sur-Marne, France
Limited company with capital of 600 000€ - 964 500 706 RCS Créteil