

The best cleaning system - now even better!

VAPOSOL[®] AMC

Low temperature vapour degreasing solvent



Formulated using ozone friendly and biodegradable solvents which are not regulated by the Montreal Protocol on substances that deplete the ozone layer

The realistic alternative, **VAPOSOL AMC** vapour degreasing solvent is a synergistic blend of dichloromethane with acetone. It operates at low temperature and is designed to give superlative cleaning performance combining the high solvency of dichloromethane for oils and tars with the ability of acetone to remove organic coatings and ionic contaminant. **VAPOSOL AMC**

is formulated for continuous use with common metals and many plastics. The sophisticated inhibitor package improves stability to minimise flash rusting on mild steel components, and corrosion of equipment. Extended usage is guaranteed by a unique additive developed to suspend contaminants in the solvent sump reducing soiling of heating surfaces.

Production capacity doubled compared with TRIKE

30% lower costs than TRIKE

Easily handled low temperature parts

No Ozone depletion

No global warming potential

30% lower solvent losses than TRIKE

Lower operating temperature

Improved working environment

50% saving on heating costs compared with TRIKE

Waste and drum disposal service

Unique high solvency formula reduces cleanout frequency

Biodegradable

**Fully serviced product
Free testing and technical service**

No ground level Ozone production

Low temperature cleaning with existing equipment

VAPOSOL AMC is designed specifically for vapour degreasing. It is a non flammable formulation which can be used in existing good quality vapour, vapour liquid and ultrasonic tanks, with minor modifications to reduce heating and change control settings. The low temperature operation may need an increase or improvement of cooling systems. Compatibility with plastic pipes or pumps should be checked.

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Low temperature cleaning - Improved operating environment

VAPOSOL AMC operates at only 42°C, less than half the temperature required with Trichloroethylene. The low operating temperatures make the working environment less stressful for the operator, and due to the low thermal turbulence, there is much less smell. The improved working conditions reduce absences and improve operator reliability.

User Friendly

When vapour degreasing with VAPOSOL AMC operator exposure should be kept as low as possible. Croftshaw technical support representatives train operators, validate processes, monitor and record emissions on site to ensure safe use of VAPOSOL AMC. Provided exposure is below the occupational exposure limits VAPOSOL AMC presents no hazard or risk to health.

Easy handling

Cleaned components are dry and at only 40°C, comfortable to handle immediately, and are at the ideal temperature for powder coating or painting. Cleaning at low temperature allows precision cleaning of temperature sensitive parts. Dimensional changes are minimal which allows immediate quality control testing or assembly of machined parts.

Reduced cleaning time

Cleaning cycles using VAPOSOL AMC are halved when compared to Trichloroethylene, which allows production to be doubled using the same equipment.

Reduced heat up time

Productivity is increased by reducing waiting time in the morning for the vapour degreaser to be heated ready for use.

Low temperature cleaning - Reduces costs

When compared to trichloroethylene, VAPOSOL AMC **Reduces** heating costs by 50%:

Reduces solvent losses by at least 30% due to the reduced thermal turbulence at the vapour air interface.

Reduces dragout losses on parts by 15% due to the lower specific gravity of VAPOSOL AMC.

Reduces cleaning cycles allowing double the production through the same vapour degreasing tank.

Reduces machine down time and labour costs, by extending periods between sump cleanouts.

Reduces disposal costs, removal of VAPOSOL AMC residues and empty drums are included in the price.

Low temperature cleaning - Safe for the environment

All the constituents of VAPOSOL AMC are environment friendly and this formulation has no global warming potential, no ozone depletion potential, does not produce ozone at ground level and is bio-degradable. VAPOSOL AMC offers a realistic alternative which addresses many of the problems faced by the engineering industries in meeting environmental protection legislation.

Easily degradable

VAPOSOL AMC components are very widely used in industry, but only trace elements have been detected in the atmosphere, and it is not detectable in rivers, oceans or ground water. This is attributed to its high volatility and bio-degradability by naturally occurring organisms. When released into the atmosphere it is photochemically degraded by reacting with naturally occurring hydroxyl radicals to produce carbon monoxide and hydrogen chloride, simple products which are already present in the environment.

No depletion of the Ozone layer

VAPOSOL AMC has a very short atmospheric lifetime of only 6 months, which means that it does not accumulate in the atmosphere and is not transported into the ozone layer.

No global warming

Reduction of global warming gases is the most urgent challenge for the future. VAPOSOL AMC is not a greenhouse gas, and less greenhouse gases are produced at power stations to supply the lower energy needs of vapour degreasing when using VAPOSOL AMC

No ground level Ozone production

This is considered by many authorities to be the cause of the increases in bronchial diseases such as asthma and allergies. VAPOSOL AMC has an extremely low photochemical ozone creation potential (POCP), which means that the impact of VAPOSOL AMC on ozone formation is minimal.

Reduced solvent emissions (VOCs)

The elimination of VOCs are a high priority of the European Union to improve air quality, the use of VAPOSOL AMC in vapour degreasing tanks can reduce emissions when compared to Trichloroethylene by at least 30%.

Legislation controlling energy usage and solvent emissions will become an increasingly important factor in the engineering industry, and the use of VAPOSOL AMC with its excellent environmental profile will be helpful in allowing the continued use of vapour degreasing with all the production benefits which it offers.



CLEANING TECHNOLOGY GROUP



Croftshaw Solvents Ltd. are part of the Stowlin Group of Companies

- 75 years combined experience supplying high quality innovative cleaning solutions and processes
- Continuous research and improvement to develop new solutions which have minimal impact on people or the environment
- Total service from the smallest company to multisite multinationals
- Continuing after care service is included in the price of all of the products in the Croftshaw range:
 - Training of operators and management
 - Ongoing support from our technical representatives and laboratories to maintain systems
 - Recycling of exhausted materials
- Stocks of products maintained by our team of distributors at strategically sited warehouses in the UK and Europe

VAPOSOL[®] AMC

is a product of Croftshaw Solvents Ltd. and is a registered trademark.

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