



LOTOXANE®

Market leading safe
solvent degreaser range

Discover LOTOXANE[®], the industry go-to solution for safe and effective degreasing.

Unlike traditional solvents, that pose flammability risks and unpleasant odors, LOTOXANE[®] offers a non-flammable and almost odourless alternative.

This market-leading solvent degreaser has gained approval from numerous Original Equipment Manufacturers (OEMs) and is widely used worldwide. Whether you need to remove lubricants, protective coatings, cutting oils, or hydraulic oils from metals, plastics, composites, or painted surfaces, LOTOXANE[®] has you covered.

Its versatility shines through as it can be applied using spray, brush, dip tank, or ultrasonic bath methods. The elimination of flammability risks ensures a safer work environment, and the minimal odor enhances the overall experience for workers, often allowing tasks to be performed with reduced personal protective equipment (PPE).

LOTOXANE[®] goes beyond safety, offering controlled evaporation and high contaminant loading, resulting in cost savings and reduced Volatile Organic Compound (VOC) emissions. For situations where faster drying times are essential, LOTOXANE[®] Fast, LOTOXANE[®] XF, and LOTOXANE[®] TRIPLE F provide progressively quicker evaporation while maintaining cost and safety benefits.

If your challenge involves tackling heavier grease and oil deposits, LOTOXANE[®] HD steps up with increased degreasing performance while retaining the excellent characteristics of standard Lotoxane[®].

Join the ranks of world-renowned industrial companies such as Rolls Royce, Airbus, Saudi Aramco, Caterpillar, General Electric, AVIC, Siemens, SABIC, Gaz Group, Cummins, Kuwait Oil Company, and BAE Systems, among others, who trust and approve Lotoxane[®] for their degreasing needs.

LOTOXANE®

The trusted, safe solution for professional degreasing

A415 / C043



What's great about LOTOXANE® is that it gives you a safe alternative to those more hazardous products out there. You can use it with peace of mind, knowing that you're not exposing yourself or your team to unnecessary risks.

The first choice for safe and effective degreasing

- ▲ Produces very low odour
- ▲ One of the safest formulations on the market
- ▲ Helps in reducing your VOCs'
- ▲ Non-flammable
- ▲ Highly approved throughout the range

Trusted to deliver in critical industries

- ▲ Rolls Royce CSS255 Type A,B,D
- ▲ Rolls Royce OMAT 1/257G
- ▲ Airbus CML ABR 9-0140
- ▲ Airbus AIPI 09-01-002
- ▲ Boeing D6-17487 Revision L
- ▲ South African Airways
- ▲ Rail Cat Registration
- ▲ MIL PRF 680c Type II
- ▲ BAE R10 6026 (general purpose)
- ▲ BAE R10-6027 (critical applications)

The LOTOXANE® range



LOTOXANE® FAST

A faster drying Lotoxane® variant which evaporates 3 times faster than standard Lotoxane®.



LOTOXANE® XF

A faster drying Lotoxane® variant which evaporates 6 times faster than standard Lotoxane®.



LOTOXANE® TRIPLE F

A faster drying Lotoxane® variant which evaporates 15 times faster than standard Lotoxane®.



LOTOXANE® HD

Safe non-flammable solvent degreaser with enhanced degreasing ability.

Discover flexibility

LOTOXANE® is renowned as one of the most effective and trusted products in the market. Its versatility is unmatched, making it suitable for a wide range of applications and materials, including metals, plastics, composites, and coatings. Unlike harsh solvent degreasers, LOTOXANE® won't cause any damage.

When you need reliability and performance, trust LOTOXANE® to deliver exceptional results.

Electrical maintenance

Degreasing of motors, switchgear and wiring assemblies.



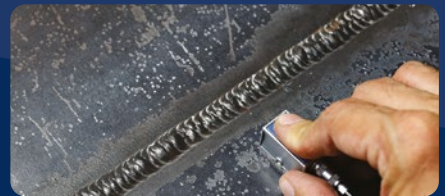
Protective coatings

Removal of transport or storage coatings.



NDT

Stage 1 cleaning.



Component preparation

Removal of cutting oils and general contamination before assembly or further processing.



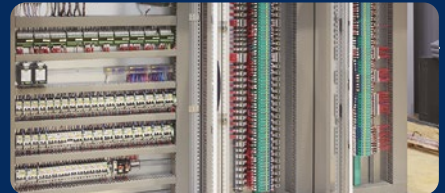
Dewatering

Displacement of water from complex forms and blind holes.



Electronics

Contact cleaning.



Final cleaning

Removal of fingerprints, adhesive and other marks on finished goods before delivery.



Maintenance inspection

Removal of lubricants and other contamination.



Surface preparation

Cleaning before coating, bonding or welding operations.





Gearing up for aerospace MRO

With some big new contracts coming in, this MRO contractor needed to make sure they had the right chemical cleaning materials on hand to handle the diverse array of aircraft they were dealing with. Plus, some new maintenance procedures, which added to the pressure.

In the past, they'd sourced various solvent cleaners from different suppliers, often at a pretty steep cost. But now, needed to find a more cost-effective solution to meet their growing needs.

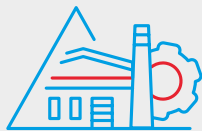
Enter Lotoxane®. After chatting with our experts at Arrow Solutions, they realised that LOTOXANE® and LOTOXANE® FAST were exactly what they needed. We had all the OEM approvals they required to tackle a wide range of applications. LOTOXANE® was perfect for component cleaning, pre-inspection

cleaning, and electrical maintenance, while the faster drying time of LOTOXANE® FAST made it ideal for pre-painting surface prep.

One of the best parts? LOTOXANE® was compatible with different types of plastics, solving a problem they'd been having with damaged surfaces caused by other cleaners. Not only did it replace those more hazardous products, but it also helped them cut down on overall consumption and cost per aircraft, thanks to its superior cleaning efficiency.



"LOTOXANE® has been a game-changer for us. It's not just about cleaning – it's about streamlining our processes and saving us money in the long run."



Keeping engine manufacturing, motoring

An engine manufacturer was encountering significant issues with removing machining lubricant residues from their engine blocks. These blocks needed to be completely free of contaminants before advancing to the assembly stage.

Although primary cleaning was provided by passing the blocks through hot aqueous spraywash equipment, this method couldn't thoroughly remove all the deposits. As a result, a secondary manual clean became necessary. Initially, the manufacturer used acetone for this task, but it didn't comply with their health and safety policies. Moreover, there was a notable risk of flammability since the blocks were still warm following the spraywash cleaning process.

Seeking a solution, the manufacturer turned to us for assistance. Together, we developed a straightforward process involving the use of thin, long-handled brushes dipped in LOTOXANE®. This approach effectively removed all oily contamination from the drill holes, while the brushes facilitated the expulsion of any remaining machined particles.

Furthermore, LOTOXANE® helped displace any moisture buildup, thereby preventing the risk of flash rusting. Unlike before, where workers had to wait for the blocks to cool down, LOTOXANE® allowed for the cleaning operation to be carried out at any time, optimising cost-effectiveness for the manufacturer.

The implementation of LOTOXANE® yielded significant benefits. There was a notable reduction in LOTOXANE® consumption compared to acetone, leading to equivalent reductions in VOC emissions. Additionally, workers were able to safely carry out the cleaning task without the need for respiratory protection, enhancing overall workplace safety.



"The adoption of LOTOXANE® not only addressed the cleaning challenges we faced, but also resulted in improved efficiency, cost savings, and enhanced safety measures within our facility."

Comparison of LOTOXANE® with common alternatives

| | Flammable | Vapour Toxicity Classification | Carcinogenic* |
|---------------------------|-----------|--|---------------|
| Acetone | ✓ | Causes drowsiness and dizziness, narcotic | ✗ |
| Trichloroethylene | ✗ | Causes genetic defects, drowsiness and dizziness, narcotic | ✓ |
| Perchloroethylene | ✗ | Causes drowsiness and dizziness, narcotic | ✓ |
| Methyl Ethyl Ketone (MEK) | ✓ | Causes drowsiness and dizziness, narcotic | ✗ |
| Isopropyl Alcohol (IPA) | ✓ | Causes drowsiness and dizziness, narcotic | ✗ |
| Lotoxane® | ✗ | Not classified | ✗ |

*Carcinogenic = causes cancer



Evaporation speedometer

Rates shown equal **x** times faster drying than LOTOXANE®. As a guide, LOTOXANE® will dry at twice the speed of water. Drying time can be decreased by air flow, heat or surface wiping. Please speak to an Arrow technical representative who will be happy to provide further advice.

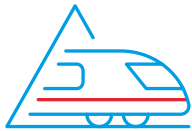
Evaporating

Fastest drying time first

| Product | Flash point | Applications | | |
|--------------------------|-------------|--------------|----------|--------|
| | | Ultrasonic | Dip Tank | Manual |
| LOTOXANE® TRIPLE F | 7°C | | | ✓ |
| LOTOXANE® XF | 27°C | | | ✓ |
| LOTOXANE® FAST | 40°C | | ✓ | ✓ |
| LOTOXANE® / LOTOXANE® HD | 62°C | ✓ | ✓ | ✓ |

Our specialist industries

We specialise in providing top-tier cleaning and maintenance solutions tailored for key industrial sectors. Renowned as a leading manufacturer of professional chemicals, our liquid, aerosol, and wipe products are designed to meet the unique demands of critical industries.



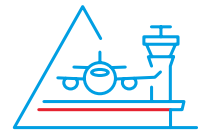
Rail



Engineering



Marine



Aerospace

Effective cleaning, safer use

Here at Arrow Solutions, we're all about providing you with the most effective solutions to your industrial cleaning and maintenance needs. Our team of chemists are always innovating new and improved formulas to ensure they deliver the best results in the safest possible way. Let us introduce you to a few of our trusted products that work great alongside LOTOXANE®:



SHIELD NF

Non Flammable corrosion preventative, de-waterer and light lubricant



WATER BASED ANTI-SPATTER

Solvent free weld anti-spatter.



SUPERSOLVE AS

Very fast evaporating electronic contact cleaner, safe on all surfaces.



WORKSHOP WIPES

For quick and effective removal of semi-cured adhesives & sealants, lacquers, resins and inks.



OVER **50** Years
OF INNOVATION

We're here to help you tackle your toughest cleaning and maintenance tasks with confidence.

At Arrow Solutions, we're proud to be a leading manufacturer of professional, industrial cleaning and maintenance chemical products. Our high-quality aerosols and liquids are trusted by thousands of companies worldwide to solve their everyday problems.

We've earned a reputation for innovation and manufacturing excellence, which has been recognised through numerous awards, accreditations, and OEM approvals. Our main focus is on providing exceptional products and outstanding service. We're dedicated to finding the right solution for even the most complex challenges our customers face.

In today's world, where regulations are getting stricter and performance standards are rising, more professionals are turning to Arrow Solutions. They trust us to deliver on our promise to set the standard in cleaning and maintenance.



Arrow Solutions, Rawdon Road, Moira, Swadlincote, Derbyshire, DE12 6DA, England.
+44 (0)1283 221044 sales@arrowchem.com www.arrowchem.com

