

CLEANING AND PROTECTION CHEMICALS FOR HEATING AND COOLING SYSTEMS

Product Catalogue

Eleven formulations in five product groups, developed and manufactured by Kuvars Kimya since 2003 and applied by our own technical team.



01
HVAC Cleaning

02
Descaling &
Neutralisation

03
Water Treatment &
Protection

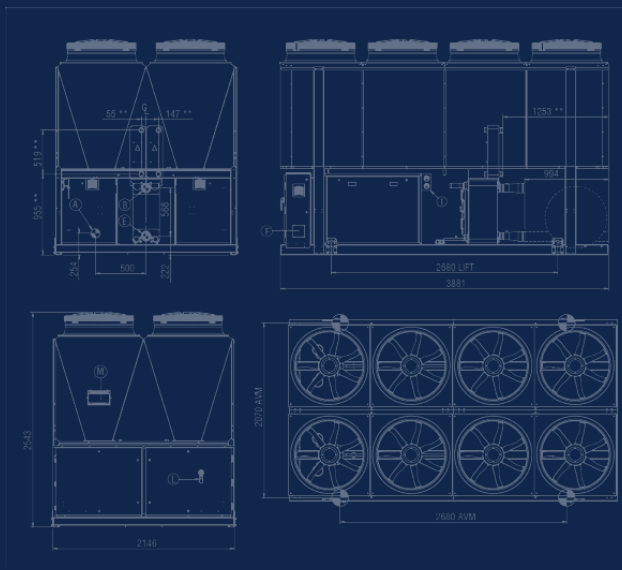
04
Microbial & Biofilm
Control

05
Leak Sealing &
Waterproofing

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Eleven formulations, five product groups

One page per product: purpose, benefits, application areas, usage, compatibility and packaging. Full technical data sheets (TDS) at www.kuvarschem.com/resources/.



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ABOUT KUVARS CHEM

Manufacturer and applicator since 2003.

Kuvars Chem is the international brand of Kuvars Kimya, a Turkish R&D manufacturer that has developed, produced and applied specialty chemicals for HVAC, boiler and cooling tower systems since 2003. Our laboratory in Ankara develops the formulations and our technical teams apply them. In the UAE, Kuvars Chem supplies and applies the products from Dubai.

Since **2003**

R&D and manufacturing

250+

Projects delivered

11

Specialty products

23

Technical services

THREE COMPANIES, ONE BRAND

MANUFACTURER

Kuvars Kimya, Ankara

Develops and manufactures all eleven products since 2003 in its own R&D laboratory and production facility.

UAE COMPANY

Kuvars Chemicals Trading LLC, Dubai

Since 2026: sales, technical application and supply for the UAE under the Kuvars Chem brand. Al Quoz Industrial First.

KAZAKHSTAN

TOO Him Proservis, Almaty

Independent distribution and application partner since 2015.

HOW THE WORK IS DONE

01

Own R&D, own formulations

Our laboratory in Ankara developed all 11 products. Each formulation has a technical data sheet.

02

We apply what we make

23 technical services across cleaning, water treatment, commissioning and leak management, delivered by our technical personnel. The team that specifies the product applies it and signs the work record.

03

Chemistry matched to the metal

Inhibitor-enhanced, metal-safe descaling for copper, aluminium and mixed-metal systems; a separate industrial cleaner for steel and cast iron; neutralisation after acidic cleaning; molybdate- or phosphate-based protection afterwards.

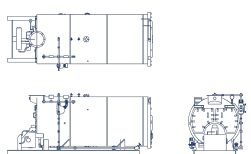
Five groups, eleven products

01 HVAC Cleaning Alkaline chemistry for coils, chillers and air handling units. CLIMA CLEAR 5	02 Descaling & Neutralisation Inhibitor-enhanced acidic descalers for exchangers, boilers and new installations, and the neutraliser that completes every cleaning. NANO CLEAN 6 NANO CLEAN 100 7 NANO CLEAN NR 8	03 Water Treatment & Protection Molybdate- and phosphate-based corrosion and scale control for closed loops, steam boilers and cooling systems. NANOSAFE X 9 NANOSAFE X 100 10 NANOSAFE X 200 HAL 11 NANOSAFE X 300 12 NANOSAFE X 400 DC 13	04 Microbial & Biofilm Control Broad-spectrum biocide for cooling towers, process water and industrial circuits. NANOSAFE BIOCID 14	05 Leak Sealing & Waterproofing Silicate-based sealing for micro-leaks in piping, pools, terraces and subfloors. WTR RESIST 15
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WHICH PRODUCT FOR WHICH TASK

TASK / SYSTEM	PRODUCT	NOTE
Fouled AC coils, AHU or fancoil surfaces (dust, oil, biofilm)	CLIMA CLEAR	Alkaline coil cleaner, 1:3–1:10
Scale in copper, aluminium or mixed-metal exchangers, boilers, condenser tubes	NANO CLEAN → NANO CLEAN NR	Inhibitor-enhanced descaler, then neutralisation
Scale and rust in steel or cast-iron boilers, steam generators, pipelines	NANO CLEAN 100 → NANO CLEAN NR	Industrial acidic cleaner, then neutralisation
New installation before start-up	NANO CLEAN → NANO CLEAN NR	Two-step pre-commissioning flushing
Closed-loop heating, cooling or hot water circulation (no boiling)	NANOSAFE X	Molybdate-based, 0.3–0.6 L/m³, continuous
Steam boiler or steam generator, non-food-contact steam	NANOSAFE X 100	Molybdate-based, 0.3–0.6 L/m³; also closed-loop heating
Steam that may contact food or dairy products	NANOSAFE X 200 HAL	Formulated in compliance with FDA criteria, 0.3–0.5 L/m³
Chiller, AHU and fancoil water circuits	NANOSAFE X 300	Phosphate-based three-in-one, 0.3–0.5 L/m³
Open-circuit cooling tower and tower-connected exchangers, heavy fouling	NANOSAFE X 400 DC	Molybdate-based dispersant, 0.2–0.4 L/m³, treated water
Bacteria, algae, biofilm in cooling towers and process water	NANOSAFE BIOCID	Isothiazolinone-based, shock or continuous
Micro-leaks in piping, pools, terraces, subfloors	WTR RESIST	Silicate-based sealer, circulated

BY EQUIPMENT



Steam and hot-water boilers

NANO CLEAN · NANO CLEAN 100 · NANOSAFE X 100 · NANOSAFE X 200 HAL

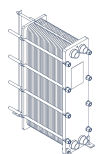
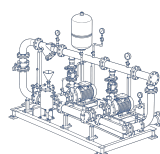


Plate heat exchangers

NANO CLEAN · NANO CLEAN 100 · NANOSAFE X · NANOSAFE X 400 DC



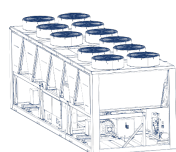
Closed-loop circuits

NANO CLEAN · NANO CLEAN NR · NANOSAFE X · NANOSAFE X 100 · WTR RESIST



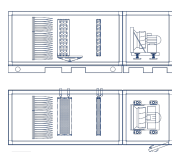
Accumulation tanks

NANO CLEAN



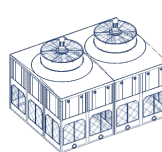
Chillers

CLIMA CLEAR · NANO CLEAN · NANOSAFE X 300



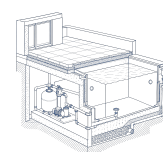
Air handling units and fancoils

CLIMA CLEAR · NANOSAFE X 300



Cooling towers

NANOSAFE X 400 DC · NANOSAFE BIOCID



Pools, terraces and subfloors

WTR RESIST

CLIMA CLEAR

Heavy-duty alkaline HVAC coil cleaner



CLIMA CLEAR is a heavy-duty alkaline cleaner for HVAC maintenance. It cleans air conditioning coils and system surfaces exposed to biofilm, atmospheric contaminants and organic residues. Alkaline builders and a surfactant system penetrate fouled surfaces, emulsify contaminants and rinse without leaving residue. Cleaned coils recover their thermal efficiency.

BENEFITS

- Removes oil and organic fouling
- Penetrates heavily contaminated coil structures
- Restores heat transfer; reference projects show 10–40% energy savings after cleaning
- Rinses without leaving residue
- Suitable for routine maintenance and heavy-duty cleaning

APPLICATION AREAS

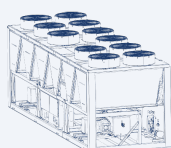
- Air conditioning evaporator and condenser coils, including fancoil units
- HVAC maintenance and service operations
- Industrial cooling systems and chillers
- Ventilation and air handling units

STORAGE AND SAFETY

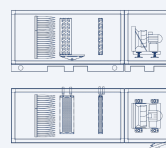
Store in original containers in a cool, dry, well-ventilated area. Keep tightly closed; protect from freezing and excessive heat. Shelf life 24 months under recommended storage conditions. Classified as corrosive: causes severe skin burns and eye damage. Use gloves and eye protection; avoid contact with skin and eyes; do not breathe vapours or mist.

SERVICES AND EQUIPMENT

Chiller & Air Handling Unit Cleaning · Cooling Tower Cleaning · Fancoil Cleaning



Chillers



Air handling units and fancoils

DILUTION

1:3–1:10

according to the fouling level; 3–10 min contact, then rinse

PACKAGING

**1 kg · 25 kg ·
1000 kg IBC**

SHELF LIFE

24 months

in original containers

TECHNICAL DATA SHEET

Full TDS (PDF)

kuvarschem.com/resources

USAGE

Dilute with water according to the contamination level: light fouling 1:10, medium fouling 1:5, heavy fouling 1:3. Apply by spraying, brushing or through a circulation system. Allow 3–10 minutes of contact time, then rinse thoroughly with water. Do not let the product dry on surfaces.

COMPATIBILITY

Suitable for aluminium, copper and most HVAC system materials at the recommended dilutions. Avoid prolonged contact with sensitive coatings or painted surfaces.

NANO CLEAN

Inhibitor-enhanced acidic descaler for multi-metal systems



Inhibitor-enhanced acidic descaler for limescale, corrosion residues and inorganic deposits in heating and cooling systems. The corrosion-inhibitor system protects copper, aluminium, steel, galvanised steel and mixed-metal surfaces during cleaning.

BENEFITS

- Dissolves limescale and mineral deposits
- Corrosion-inhibitor system protects metal surfaces during cleaning
- Restores flow and heat transfer
- Reduces downtime and maintenance frequency
- Compatible with multi-metal systems
- Cleaning step in pre-commissioning flushing of new installations

APPLICATION AREAS

- Heat exchangers and boilers, including industrial steam boilers
- Cooling and heating circuits
- Industrial pipe cleaning systems
- HVAC and hydronic systems
- Preventive maintenance and system restoration
- Pre-commissioning flushing of newly installed heating and cooling systems (removal of oil residues, concrete debris and construction contaminants before start-up)

STORAGE AND SAFETY

Store in original containers in a cool, dry, well-ventilated area. Keep tightly closed; protect from freezing and excessive heat. Shelf life 24 months under recommended storage conditions. May cause skin and eye irritation. Use gloves and eye protection; avoid contact with skin and eyes; do not breathe vapours or mist.

SERVICES AND EQUIPMENT

Plate Heat Exchanger Cleaning · Cascade Boiler Cleaning · Hot Water Boiler Cleaning · Accumulation Tank Cleaning · Steam Generator Cleaning · Tube Heat Exchanger Cleaning

 Steam and hot-water boilers	 Plate heat exchangers	 Closed-loop circuits	 Accumulation tanks	 Chillers
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DILUTION

1:5–1:15

according to the scale level; circulate, then rinse and neutralise

PACKAGING

1 kg · 25 kg · 1000 kg IBC

SHELF LIFE

24 months

in original containers

TECHNICAL DATA SHEET

Full TDS (PDF)

kuvarschem.com/resources

USAGE

Dilute with water according to the scale level: light scaling 1:15, medium scaling 1:10, heavy scaling 1:5. Circulate within the system or apply directly. Allow the reaction to proceed until scale dissolution is complete, then rinse thoroughly with water. Neutralise with NANO CLEAN NR where required.

COMPATIBILITY

Compatible with copper, aluminium, steel, galvanised steel and mixed-metal surfaces when used as directed. Not recommended for acid-sensitive materials without prior testing.

NANO CLEAN 100

Industrial acidic cleaner for steel and cast-iron heating systems



NANO CLEAN 100 is an acidic cleaning chemical for industrial equipment in heating systems, including riser lines and pipework installations. It dissolves mineral scale, removes rust deposits and corrosion from metal surfaces and breaks down inorganic contaminants, restoring heat transfer. It is used for internal and component-level cleaning of steel and cast-iron equipment.

BENEFITS

- Descaling, rust and corrosion removal
- Fast action on mineral deposits; restores heat transfer
- Internal and component-level cleaning of steel and cast-iron equipment in heating systems

APPLICATION AREAS

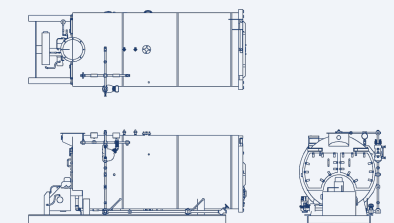
- Steam boilers, steam generators, boilers and pipelines
- Heat exchangers
- Descaling of metal equipment

STORAGE AND SAFETY

Store in original containers in a cool, dry, well-ventilated area. Keep tightly closed; protect from freezing and excessive heat. Shelf life 24 months under recommended storage conditions. Classified as corrosive: causes severe skin burns and eye damage. Use gloves and eye protection; avoid contact with skin and eyes; do not breathe vapours or mist.

SERVICES AND EQUIPMENT

Steam Boiler Cleaning · Steam Generator Cleaning



Steam and hot-water boilers

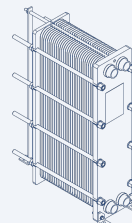


Plate heat exchangers

DOSAGE

per system

determined by system requirements; dilute where necessary

PACKAGING

1 kg · 25 kg ·
1000 kg IBC

SHELF LIFE

24 months

in original
containers

TECHNICAL DATA SHEET

Full TDS (PDF)

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NANO CLEAN NR

Neutralisation chemical for post-cleaning pH control



NANO CLEAN NR is a neutralisation chemical that restores the pH balance of a system after chemical cleaning. It brings system pH back to the target range under controlled conditions so the system can be discharged and started safely. It completes the flushing workflow by neutralising acidic residues from chemical cleaning before the system is started.

BENEFITS

- Rapid pH adjustment
- Stabilises system chemistry
- Restores pH for safe discharge
- Controlled neutralisation reaction
- Completes the two-step flushing workflow: NANO CLEAN, then NANO CLEAN NR

APPLICATION AREAS

- Neutralisation systems
- Post-flushing neutralisation of heating and cooling systems (pH stabilisation after chemical flushing for safe start-up and discharge compliance)

USAGE

Add gradually under controlled conditions. Monitor pH continuously.

STORAGE AND SAFETY

Store in original containers in a cool, dry, well-ventilated area. Keep tightly closed; protect from freezing and excessive heat. Shelf life 24 months under recommended storage conditions. May cause skin and eye irritation. Use gloves and eye protection; avoid contact with skin and eyes; do not breathe vapours or mist.

SERVICES AND WORKFLOW

Steam Boiler Cleaning · Plate Heat Exchanger Cleaning · Cascade Boiler Cleaning · Hot Water Boiler Cleaning · Accumulation Tank Cleaning · Steam Generator Cleaning



DOSING

gradual

under controlled conditions; monitor pH continuously

PACKAGING

1 kg · 25 kg ·
1000 kg IBC

SHELF LIFE

24 months

in original containers

TECHNICAL DATA SHEET

Full TDS (PDF)

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NANOSAFE X

Molybdate-based corrosion and scale inhibitor for closed loops



NANOSAFE X is a molybdate-based water treatment chemical developed for closed-loop heating, cooling and hot water circulation systems. Its formulation keeps precipitated scale from adhering to system surfaces, prevents corrosion from forming on metal surfaces and stabilises dissolved minerals to prevent precipitation.

BENEFITS

- Prevents corrosion from forming on metal surfaces
- Stabilises hardness ions and prevents deposits
- Keeps heat transfer surfaces clean between cleaning cycles
- Extends equipment life and reduces maintenance frequency

APPLICATION AREAS

- Closed-loop heating and cooling systems
- Hot water circulation systems
- Industrial heat exchangers
- HVAC and process water systems

STORAGE AND SAFETY

Store in original containers in a cool, dry, well-ventilated area. Keep tightly closed; protect from freezing and excessive heat. Shelf life 24 months under recommended storage conditions. May cause skin and eye irritation. Use gloves and eye protection; avoid contact with skin and eyes; do not breathe vapours or mist.

SERVICES AND EQUIPMENT

Closed-Loop System Protection

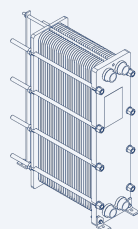
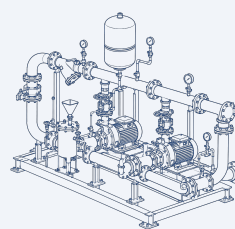


Plate heat exchangers



Closed-loop circuits

DOSAGE

0.3–0.6 L/m³

continuous, per m³ of system volume

PACKAGING

**1 kg · 25 kg ·
1000 kg IBC**

SHELF LIFE

24 months

in original containers

TECHNICAL DATA SHEET

Full TDS (PDF)

kuvarschem.com/resources

NANOSAFE X 100

Molybdate-based treatment for steam boilers and hot water systems



NANOSAFE X 100 is a multifunctional, molybdate-based water treatment chemical formulated for open- and closed-circuit hot water systems and steam boilers. It prevents hardness formation, scale build-up and corrosion. Sodium molybdate prevents corrosion from forming on ferrous metals; phosphate conditioning keeps precipitated scale from adhering to surfaces and controls hardness.

BENEFITS

- Keeps precipitated scale from adhering to surfaces and prevents corrosion from forming
- Suitable for steam boilers and industrial steam systems in non-food-contact applications
- Keeps heat transfer surfaces clean
- Reduces maintenance and operating costs

APPLICATION AREAS

- Steam boilers, steam generators and boiler lines
- Closed-loop heating systems

USAGE

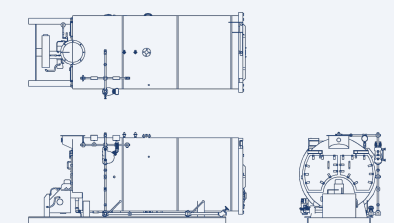
Dose continuously into the system. Typical dosage 0.3–0.6 L per m³ of system volume, depending on water quality and operating conditions. Monitor hardness, conductivity and pH regularly; periodic system analysis is recommended.

STORAGE AND SAFETY

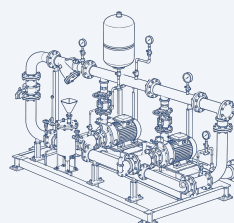
Store in original containers in a cool, dry, well-ventilated area. Keep tightly closed; protect from freezing and excessive heat. Shelf life 24 months under recommended storage conditions. May cause skin and eye irritation. Use gloves and eye protection; avoid contact with skin and eyes; do not breathe vapours or mist.

SERVICES AND EQUIPMENT

Closed-Loop System Protection · Steam Boiler Water Treatment



Steam and hot-water boilers



Closed-loop circuits

DOSAGE

0.3–0.6 L/m³

continuous, per m³ of system volume

PACKAGING

**1 kg · 25 kg ·
1000 kg IBC**

SHELF LIFE

24 months

in original containers

TECHNICAL DATA SHEET

Full TDS (PDF)

kuvarschem.com/resources

NANOSAFE X 200 HAL

FDA-compliant steam boiler treatment for food and dairy



NANOSAFE X 200 HAL is a phosphate-based water treatment chemical for steam boilers in food and dairy plants, where system cleanliness and reliability are critical. It keeps precipitated scale from adhering to heat transfer surfaces, protects boiler and condensate lines against corrosion and maintains consistent steam quality. The formulation complies with FDA criteria.

BENEFITS

- Scale inhibition and corrosion control for boiler and condensate lines
- Consistent steam quality
- Formulated in compliance with FDA criteria for food and dairy steam

APPLICATION AREAS

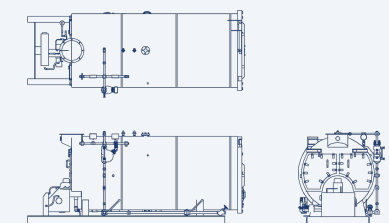
- Steam boilers and boiler lines
- Food steam lines
- Condensate systems

STORAGE AND SAFETY

Store in original containers in a cool, dry, well-ventilated area. Keep tightly closed; protect from freezing and excessive heat. Shelf life 24 months under recommended storage conditions. May cause skin and eye irritation. Use gloves and eye protection; avoid contact with skin and eyes; do not breathe vapours or mist.

SERVICES AND EQUIPMENT

Steam Boiler Water Treatment



Steam and hot-water boilers

USAGE

Continuous dosing. Typical dosage 0.3–0.5 L per m³ of system water; adjust according to source water quality and hardness levels.

CHEMICAL CHARACTERISTIC

Phosphate-based formulation. Keeps precipitated scale suspended to prevent adherence on surfaces. Forms a protective film to prevent corrosion. Complies with FDA criteria.

DOSAGE

0.3–0.5 L/m³

continuous, per m³ of system water

PACKAGING

1 kg · 25 kg ·
1000 kg IBC

SHELF LIFE

24 months

in original containers

TECHNICAL DATA SHEET

Full TDS (PDF)

kuvarschem.com/resources

NANOSAFE X 300

Phosphate-based treatment for cooling systems



NANOSAFE X 300 is a multifunctional, phosphate-based water treatment chemical formulated for industrial cooling systems and recirculating water circuits. It keeps precipitated scale from adhering to system surfaces, disperses suspended solids and forms a protective film to prevent corrosion under varying operating conditions.

BENEFITS

- Keeps precipitated scale from adhering to surfaces
- Disperses suspended solids
- Forms a protective film to prevent corrosion
- Stabilises dissolved ions

APPLICATION AREAS

- Cooling systems: chillers, air handling units (AHU) and fancoils

USAGE

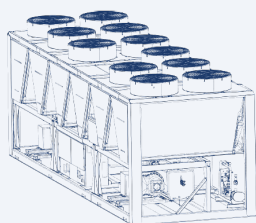
Continuous dosing is recommended. Typical dosage 0.3–0.5 L per m³, depending on system load.

STORAGE AND SAFETY

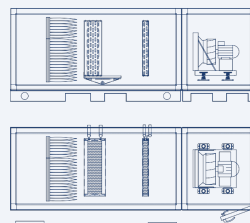
Store in original containers in a cool, dry, well-ventilated area. Keep tightly closed; protect from freezing and excessive heat. Shelf life 24 months under recommended storage conditions. May cause skin and eye irritation. Use gloves and eye protection; avoid contact with skin and eyes; do not breathe vapours or mist.

SERVICES AND EQUIPMENT

Cooling System Water Conditioning



Chillers



Air handling units and fancoils

DOSAGE

0.3–0.5 L/m³

continuous,
depending on system
load

PACKAGING

1 kg · 25 kg ·
1000 kg IBC

SHELF LIFE

24 months

in original
containers

TECHNICAL DATA SHEET

Full TDS (PDF)

kuvarschem.com/resources

NANOSAFE X 400 DC

Molybdate-based heavy-duty dispersant and corrosion control



NANOSAFE X 400 DC is a molybdate-based, heavy-duty dispersant and corrosion-control chemical developed for industrial water systems operating under severe fouling conditions. It disperses particulate matter to keep suspended solids in circulation, prevents deposit build-up on heat transfer surfaces and prevents corrosion from forming on metal surfaces. Dose it into treated (softened or purified) system water; on untreated water, reassess the dosage from a fresh water analysis.

BENEFITS

- Disperses suspended solids and deposits
- Prevents fouling and keeps scale from adhering to surfaces
- Keeps heat transfer surfaces free of deposits between cleaning cycles

APPLICATION AREAS

- Open-circuit cooling tower systems
- Tower-connected heat exchangers

STORAGE AND SAFETY

Store in original containers in a cool, dry, well-ventilated area. Keep tightly closed; protect from freezing and excessive heat. Shelf life 24 months under recommended storage conditions. May cause skin and eye irritation. Use gloves and eye protection; avoid contact with skin and eyes; do not breathe vapours or mist.

SERVICES AND EQUIPMENT

Cooling System Water Conditioning · Heavy-Duty Dispersant Treatment

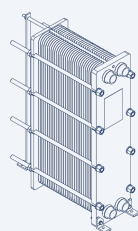
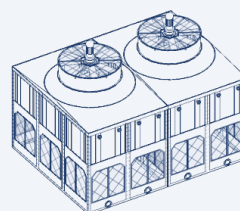


Plate heat exchangers



Cooling towers

DOSAGE

0.2–0.4 L/m³

shock or continuous;
system water must be treated

PACKAGING

1 kg · 25 kg ·
1000 kg IBC

SHELF LIFE

24 months

in original
containers

TECHNICAL DATA SHEET

Full TDS (PDF)

kuvarschem.com/resources

NANOSAFE BIOCID

Broad-spectrum biocide for microbial and biofilm control



NANOSAFE BIOCID is a broad-spectrum biocidal formulation for industrial water systems, including cooling towers and process water circuits. It controls microbial growth, prevents biofilm formation, eliminates algae and bacteria and prevents microbiologically induced corrosion.

BENEFITS

- Effective against bacteria, algae and fungi
- Prevents biofilm formation
- Reduces odour formation
- Prevents microbiologically induced corrosion

APPLICATION AREAS

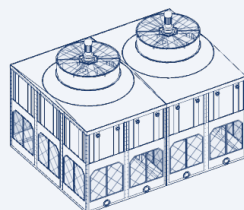
- Cooling towers
- Process water systems
- Industrial circuits

STORAGE AND SAFETY

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SERVICES AND EQUIPMENT

Cooling Tower Cleaning · Microbial & Biofilm Control Programme



Cooling towers

DOSING

periodic or continuous

by microbial load;
shock dosing at high contamination

PACKAGING

**1 kg · 25 kg ·
1000 kg IBC**

SHELF LIFE

24 months

in original
containers

TECHNICAL DATA SHEET

Full TDS (PDF)

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WTR RESIST

Silicate-based sealer for micro-leaks and seepage



WTR RESIST is a silicate-based sealing formulation for water leaks and seepage. It works in mechanical applications (closed-loop piping and circulation systems, industrial pipeline installations) and in structural ones: swimming pools, terrace and rooftop waterproofing, subfloor and screed-level seepage control.

BENEFITS

- Seals micro-leaks and capillary seepage from inside
- No dismantling or excavation
- One product for pipework leaks and structural seepage

APPLICATION AREAS

- Closed-loop piping and circulation systems
- Swimming pools (leak sealing)
- Terrace and rooftop waterproofing applications
- Subfloor and screed-level seepage control
- Industrial pipeline installations

USAGE

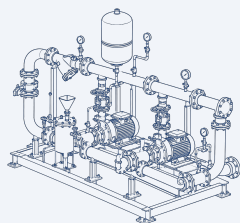
Apply directly to the system, then circulate for homogeneous distribution.

STORAGE AND SAFETY

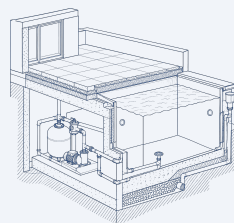
Store in original containers in a cool, dry, well-ventilated area. Keep tightly closed; protect from freezing and excessive heat. Shelf life 24 months under recommended storage conditions. May cause skin and eye irritation. Use gloves and eye protection; avoid contact with skin and eyes; do not breathe vapours or mist.

SERVICES AND EQUIPMENT

Closed-Loop Pipe Leak Sealing · Swimming Pool Leak Sealing · Terrace & Rooftop Waterproofing · Subfloor Seepage Control



Closed-loop circuits



Pools, terraces and subfloors

APPLICATION

into the system

directly, circulated for homogeneous distribution

PACKAGING

1 kg · 25 kg

SHELF LIFE

24 months

in original containers

TECHNICAL DATA SHEET

Full TDS (PDF)

kuvarschem.com/resources

SERVICES

We make the chemistry and we apply it

We supply the product with the work: site survey, circulation cleaning without dismantling, neutralisation, protective dosing and a signed work record. 23 technical services in four categories.

A · Cleaning Services

Chemical cleaning of boilers, heat exchangers, chillers, cooling towers, fancoils and piping. Inhibitor-enhanced descaling followed by neutralisation; alkaline cleaning for coils and surfaces.

Steam Boiler Cleaning	NANO CLEAN 100 (steel and cast-iron systems)
Plate Heat Exchanger Cleaning	NANO CLEAN
Cascade Boiler Cleaning	NANO CLEAN
Hot Water Boiler Cleaning	NANO CLEAN
Accumulation Tank Cleaning	NANO CLEAN
Steam Generator Cleaning	NANO CLEAN (copper-tube) · NANO CLEAN 100 (steel-tube)
Tube Heat Exchanger Cleaning	NANO CLEAN
Chiller & Air Handling Unit Cleaning	CLIMA CLEAR (coils and AHU surfaces) · NANO CLEAN (condenser tubes)
Cooling Tower Cleaning	Tower surfaces: CLIMA CLEAR · Condenser tubes: NANO CLEAN · Microbial and biofilm control: NANOSAFE BIOCID
Fancoil Cleaning	CLIMA CLEAR
Radiator & Pipe Cleaning	NANO CLEAN
Heat Interface Unit Cleaning	NANO CLEAN

B · Water Treatment & Protection

Continuous dosing programmes for closed loops, steam boilers and cooling systems, and the microbial and biofilm control programme for cooling towers.

Closed-Loop System Protection	NANOSAFE X (molybdate-based)
Steam Boiler Water Treatment	NANOSAFE X 100 (industrial) · NANOSAFE X 200 HAL (food and dairy, FDA-compliant)
Cooling System Water Conditioning	NANOSAFE X 300 (chiller, AHU and fancoil circuits) · NANOSAFE X 400 DC (cooling towers, treated water)
Heavy-Duty Dispersant Treatment	NANOSAFE X 400 DC (molybdate-based)
Microbial & Biofilm Control Programme	NANOSAFE BIOCID

C · Commissioning & Flushing

Two-step pre-commissioning flushing of new installations (NANO CLEAN, then NANO CLEAN NR) and post-cleaning neutralisation.

Pre-Commissioning Flushing	NANO CLEAN (cleaning)
Post-Cleaning System Neutralisation	NANO CLEAN NR

D · Leak Management

Silicate-based sealing of micro-leaks in closed-loop piping, swimming pools, terraces and subfloors, applied from inside without dismantling.

Closed-Loop Pipe Leak Sealing	WTR RESIST	Terrace & Rooftop Waterproofing	WTR RESIST
Swimming Pool Leak Sealing	WTR RESIST	Subfloor Seepage Control	WTR RESIST



1 Develop

Formulations developed and tested in the Kuvars Kimya R&D laboratory.



2 Manufacture

Produced in the Ankara facility; a technical data sheet for every product.



3 Apply

Applied and documented by the Kuvars Chem technical team on site.

REFERENCES AND CONTACT

250+ projects since 2003.

REFERENCE PROJECTS BY SECTOR

HEALTHCARE

Kocaeli City Hospital · Ankara Etlik City Hospital · Beyhekim State Hospital · Silifke State Hospital · Istanbul Med Live Hospital

DEFENCE AND HEAVY INDUSTRY

TAI (Turkish Aerospace Industries), Helicopter Wing Test Facility · Defence and aerospace facilities (names on request) · Petlas Factory · Beyçelik Gestamp, Kocaeli · Ankara Akyurt Factory · Ankara OSB Som Cıvata Factory · İzmir Aktaş Marble Factory · Bağfaş, Balıkesir · Hoffmann Aluminium, Kazakhstan · Borusan Kazakhstan

FOOD AND BEVERAGE

Kay Dairy Factory · Golden Food, Kazakhstan · Rakhat Confectionery Factory, Almaty · Pladis Kazakhstan

COMMERCIAL, HOSPITALITY AND RETAIL

Piazza Mall, Kahramanmaraş · Optimum Mall, İzmir · Elya Group Mall & Residence · YDA Center, Ankara · Regnum Sky Tower, Ankara · Istanbul Teknosa Plaza · Çorlu Sel Foreign Trade · Prestige Thermal Hotel, Ankara · TZOB Hotel · InterContinental Almaty · Esentai Mall, Almaty · Talan Towers, Astana · KZI Bank, Kazakhstan · BCC Invest, Kazakhstan

INFRASTRUCTURE, EDUCATION AND PUBLIC

Gaziantep New Airport · Kırıkkale High Speed Train Station · Konya New Stadium · Adana New Courthouse · Başkent Gaz · Ankara KYK Directorate · Samsun OMÜ Olympic Swimming Pool · Konya Selçuklu Sports Facility · Istanbul Ata Sports Complex · METU (Middle East Technical University) · Ankara University · Ostim Technical University

RESIDENTIAL AND HOUSING

Ankara Gölbaşı TOKİ Blocks · Huner Residence, Ankara · Ankara Bahçen Eryaman Housing · İncek Prestij Residences · Kocaeli Mars Yaşam Residence · Mesa Yaşamkent · Ametist Residence · Denizli Evora Residence · Park Alyans Residence · İzmir Bornova Su Residence · Istanbul Zeytinburnu Emlak Bank Housing · Temaşehir, Konya · Ankara Beysu Evleri · Ankara Beysukent Residence · Pylon Ankara · VIP Alem Residences, Almaty

SECTORS WE SERVE

Hotels & Hospitality

Chiller and cooling tower work scheduled around guest operations, plus leak sealing for pools and pipework.

Food & Beverage / Dairy

Boiler and process-water treatment for food and dairy plants.

Hospitals & Healthcare

Cooling tower treatment, HVAC cleaning and boiler treatment for critical facilities.

District Cooling Operators

Corrosion control for large closed loops and dispersant treatment for cooling towers.

Malls & Commercial Complexes

Chiller plant cleaning and cooling tower treatment for large commercial floor plates.

Industrial Facilities

Descaling and water treatment for steam boilers and exchangers under severe fouling.

Residential & Villas

Fancoil and boiler cleaning for residential complexes; leak sealing for villa pools and terraces.

MEP Contractors & Construction

Two-step chemical flushing and leak sealing so the system is handed over clean and protected.

KUVARS CHEM IN THE UAE

KUVARS CHEMICALS TRADING LLC

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Trade License No. 1617329, Dubai
Department of Economy and Tourism

MANUFACTURER

Kuvars Kimya, Ankara, Turkey · since 2003

KAZAKHSTAN

TOO Him Proservis, Almaty · distribution
and application partner since 2015
www.kuvarschem.kz

FOOTPRINT

Turkey

Headquarters, R&D and manufacturing.
Projects across healthcare, defence,
industry, commercial and residential
sectors since 2003.

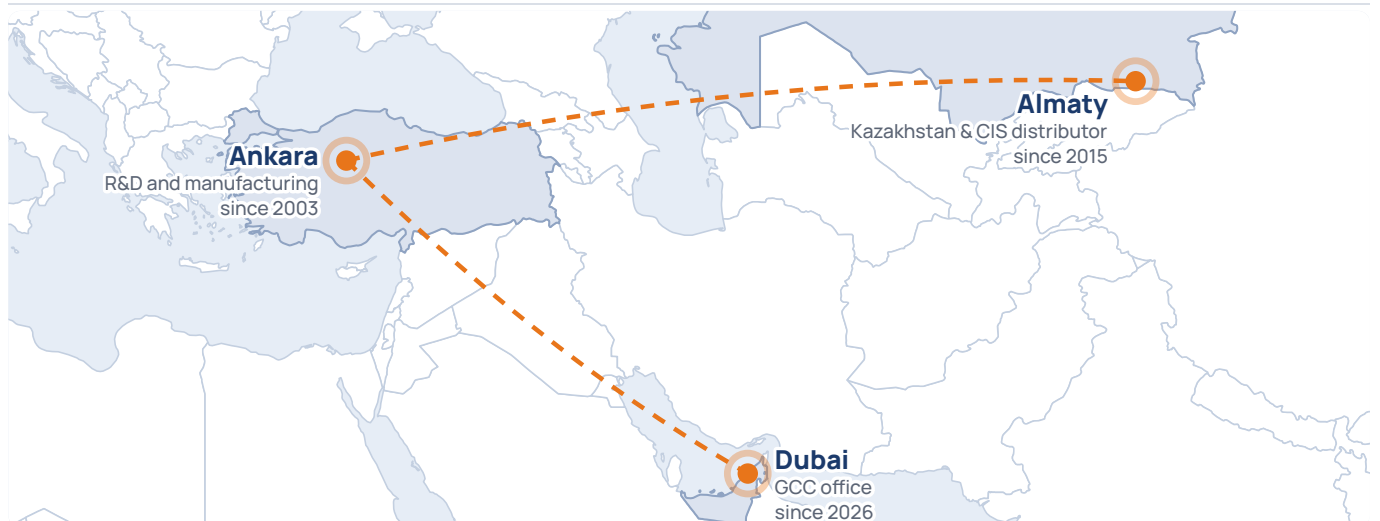
Kazakhstan

Almaty, since 2015. Commercial,
hospitality, banking and food industry
references.

UAE

Dubai, since 2026. Kuvars Chem, Al Quoz
Industrial First.

ANKARA · ALMATY · DUBAI





KUVARS CHEMICALS TRADING LLC

Sales, technical application and supply for the UAE under the Kuvars Chem brand

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KAZAKHSTAN

TOO Him Proservis, Almaty · since 2015
www.kuvarschem.kz

DOCUMENTS

Technical data sheets for all 11 products:
www.kuvarschem.com/resources/

Kuvars Chem is the brand of products manufactured by Kuvars Kimya. The information in this catalogue reflects our current knowledge; suitability for a specific application must be verified by the user. Current technical data sheets (TDS) at www.kuvarschem.com. Product Catalogue, Edition 1 · September 2026. © 2026 Kuvars Chemicals Trading LLC. All rights reserved.