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DESCALERS

COMPLETE RANGE OF SCALE REMOVAL SOLUTIONS

POWERFUL CLEANING • FAST ACTING • SAFE & EFFECTIVE • COST SAVING

MAXON Descalers are specially formulated chemical solutions designed to dissolve and remove scale, rust and mineral deposits from equipment, pipes and surfaces. Regular descaling ensures efficient heat transfer, reduces energy consumption, prevents corrosion and extends the life of your valuable equipment.



EFFECTIVE SCALE REMOVAL

Dissolves scale, rust & deposits quickly



FAST ACTING

Quick penetration & action for better results



EQUIPMENT PROTECTION

Prevents corrosion & extends equipment life



COST SAVING

Improves efficiency, reduces downtime & maintenance cost



ENVIRONMENTALLY RESPONSIBLE

Formulated for safe handling & disposal



WIDE COMPATIBILITY

Suitable for various metals & systems

WHAT IS SCALE?

Scale is a hard, adherent deposit of calcium, magnesium, iron and other mineral salts formed on heat transfer surfaces, pipes, boilers, chillers and other equipment due to water impurities.

If not removed regularly, scale can cause:

- ✓ Reduced heat transfer efficiency
- ✓ Higher fuel & energy consumption
- ✓ Increased maintenance & downtime
- ✓ Corrosion under deposits
- ✓ Equipment failure

HOW DESCALERS WORK?

MAXON Descalers react with scale components and break down the deposit structure, converting insoluble salts into soluble forms which are easily flushed away with water.



Result: Clean surface, better performance & extended equipment life.

TYPES OF DESCALERS (BY CHEMICAL BASE)

TYPE / BASE	DESCRIPTION & APPLICATION
ACID BASED DESCALERS	Based on mineral acids like Hydrochloric Acid, Sulfuric Acid, Nitric Acid, Phosphoric Acid. Effective for heavy carbonate, scale & rust removal. Used in boilers, heat exchangers, condensers, chillers & pipelines.
ORGANIC ACID DESCALERS	Based on organic acids like Formic Acid, Acetic Acid, Citric Acid, Glycolic Acid. Safer for metals, biodegradable & effective for light to moderate scale removal.
PHOSPHONATE BASED DESCALERS	Contain phosphonates & organic acids. Excellent for iron oxide, calcium carbonate & combination scale.
CHELATING AGENT BASED DESCALERS	Based on EDTA, DTPMP, NTA, HEDP etc. Sequester metal ions and prevent re-deposition. Ideal for hard water & closed loop systems.
ENZYMATIC DESCALERS	Eco-friendly, biodegradable formulations. Used for light organic & biological fouling along with scale removal.
NEUTRAL / SPECIALTY DESCALERS	Non-acidic formulations for sensitive metals like Aluminum, Copper, Brass & Stainless Steel. Low odor, safe & easy to handle.

SUITABLE FOR

- BOILERS (Low & High Pressure)**
Removes scale, sludge & rust, improves heat transfer & steam efficiency.
- CHILLERS & CONDENSERS**
Restores cooling efficiency by removing calcium, rust & other deposits.
- HEAT EXCHANGERS**
Ensures maximum heat transfer & energy saving.
- PIPING SYSTEMS**
Removes deposits, maintains flow & reduces pressure drop.
- COOLING TOWERS**
Removes scale & bio-fouling from basin, fill & distribution systems.
- RO / NF / UF SYSTEMS**
Removes scale from membranes & extends system life.
- INDUSTRIAL EQUIPMENT**
Tanks, reactors, vessels & other process equipment.

★ KEY BENEFITS

- Rapid scale dissolution
- Restores heat transfer efficiency
- Reduces energy consumption
- Extends equipment life
- Reduces downtime & maintenance cost
- Safe for equipment (when used correctly)
- Wide range for all types of scale & systems
- Easy to use & economical

HOW TO USE

Descalers should be used as per system condition and scale severity. General procedure:

1. Dilute descaler in water as per recommendation.
2. Circulate in system or fill equipment.
3. Allow sufficient contact time for proper action.
4. Drain and flush thoroughly with clean water.
5. Neutralize (if required) and check pH before resuming operation.

IMPORTANT FACTORS

- Type & thickness of scale
- Temperature
- Material of equipment
- Concentration of descaler

Note: Always follow product label instructions & conduct compatibility test.

HANDLING & STORAGE

- Store in a cool, dry, well-ventilated area.
- Keep away from direct sunlight and heat sources.
- Use proper PPE: Gloves, Goggles and Protective Clothing.
- Keep container tightly closed when not in use.
- Avoid contact with strong acids, bases and oxidizing agents.

SAFETY INFORMATION

- Non-flammable & Non-explosive.
- Avoid contact with skin, eyes and clothing.
- In case of contact, wash immediately with plenty of water.
- Harmful if swallowed.
- Refer to MSDS for detailed safety information.



PACKING

Available Packing:

- 30 KG HDPE Can
- 210 KG HDPE Drum



COMPATIBILITY

Compatible with ferrous metals, stainless steel, copper, brass, and most alloys (check product compatibility for Aluminum & Zinc).



WATER QUALITY COMPATIBILITY

Effective in a wide range of water conditions including hard water, high TDS, alkaline & varying pH.



WHY CHOOSE MAXON DESCALERS?

- ✓ High performance formulations
- ✓ Proven results in all types of industries
- ✓ Technical support for product selection
- ✓ Safe, reliable & cost effective solutions
- ✓ Consistent quality & supply
- ✓ Made for industrial excellence

MAXON DESCALERS – CLEANER SYSTEMS, HIGHER EFFICIENCY, LONGER LIFE!