

Advantages of Sard Mitreh Solution

- 1-Effective in wide range of systems
 - 2-Capable of whole system deposition
 - 3-Controlled corrosion compared to descaler
 - 4-Environmentally friendly
 - 5-Applicable to a wide range of scale and corrosion products
 - 6-Safe replacement of acid wash
 - 7-Don't harmful to skin and respiratory effects
- Corrosion of the Sard Mitreh is 10-20 mpy that is very low compared to the common descaler types that have corrosion of 70-980 mpy. this property makes it easier to circulate with the water in the installation, which lead to remove scales from all parts of the installation

Usage

After calculating the amount of scale in the entire closed-circuit system by the technical experts, Depending on the type of scale- approximately 2 to 3 kg of general Sard Mitreh solution is considered per one kilogram of scale

Types of Sard Mitreh

No	Code	Product Name	Descriptions and applications
1	MDA0102	General Sard Mitreh	Strong Scale Remover with Controlled Corrosion
2	MDA0108	Cryogenic Sard Mitreh	Scale Remover for Cryogenic System
3	MDA0109	Thermal Sard Mitreh	Scale Remover for Thermal System
4	MDA0356	0356 Mitreh	corrosion products Remover
5	FG0128	Food Grade Sard Mitreh	Food Grade Scale Remover for Food Industries
6	MDA0106	Sard Mitreh for Condenser	Scale Remover for Condensers with Controlled Corrosion
7	MDA0103	Sard Mitreh for Wall Mounted Packages	Scale Remover for Wall Mounted Packages with Controlled Corrosion (20Liter Gallon Packaging)
8	MDA0104	Sard Mitreh for Wall Mounted Packages	Scale Remover for Wall Mounted Packages with Controlled Corrosion (One Liter Packaging)
9	MKD0110	Cryogenic Sard Mitreh for Ships	Scale Remover for Ships Cryogenic Systems
10	MKD1120	Thermal Industrial Scale Remover Mitreh for Ships	Scale Remover for Ships Thermal Systems



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SARD MITREH



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Sard Mitreh

Sard Mitreh solution has been invented and produced due to the type of scale and it is a substitute for industrial conventional solutions because of the long deposition time of industrial solutions. By adding the Sard Mitreh solution to the circulation system in industry, most of the system's sediments has removed

The use of Sard Mitreh solution is the most effective and safest method compared to various physical and chemical descaling methods. Sard Mitreh can be used in all industries that use circulating water systems. Acid-wash causes severe corrosion in facilities, polluted and hazardous effluents produced pollute the environment and groundwater resources. There is also poisoning due to gases produced when working with acid

Another disadvantage of acid-wash is that the system stops, which costs a lot of time and money, the scale removing is not done completely with acid-wash. The effects of Sard Mitreh on metal, user and the environment are lower and Sard Mitreh is safer than other cleaning mentioned

In most industrial devices, the issue of heat transfer and corrosion reduction is an important and enhance the efficiency of that device

Product Information

Chemical Product Name	General Sard Mitreh
Trade Name	Mitreh MDA0102
Application	Scale remover solution with low corrosion

Hazards Identification

This product is not classified as a dangerous or hazardous good according to national or international regulations

Physical / chemical hazards	None
Environmental hazards	None
Effect of exposure	None

Symptom of exposure

Inhalation	Mild odor with low evaporation
Ingestion	This solution is acidic and is not drinkable
Skin contact	No irritation
Eye contact	Redness

First Aid Measures

Ingestion	Wash out mouth with water. Consult a doctor
Inhalation	In case of direct inhalation; go to fresh air
Skin contact	In contact with skin, eliminates fat, and causes dryness. The position should be rinsed with cold water
Eye contact	Wash out with plenty of water while holding eyelids open. Consult a doctor So far, no complications have been observed even in worker who product this solution

Physical and Chemical Properties

Physical state	Liquid
Appearance	Non-volatile liquid with water base
Color	Very transparent brown
Odor	Mild odor
pH (100%)	<1
Vaper pressure	Same as water
Vapor density	No data available
Specific gravity at 20 °C	10.41 _ 10.56 N/m ³
Density at 20 °C	1.054 _ 1.069 gr/ml ASTM D-1122
Solubility in water	Completely soluble
Freezing point	-19 _ -17 °C
Boiling point	96 _ 97 °C ASTM D-1120
Electrical Conductivity	836 _ 838 ms/cm
Flash point	Not flammable
Danger of explosion	Product doesn't present an explosion hazard