SHALOM INTERNATIONAL

TRADING & LOGISTICS

TC-200A GAS TURBINE FUEL ADDITIVE

(Vanadium Corrosion Inhibitor Additive)

INTRODUCTION

The purpose of this document is to provide instructions for the use of **TC-200A**, an oil-soluble ultra-high alkali magnesium additive, specifically designed to inhibit vanadium in ash-forming crude and residual fuels for gas turbines.

TC-200A additive is a turbine-quality, oil-soluble organo-magnesium fuel additive, prepared by reacting high-purity magnesium compounds with carboxylic acid. It possesses excellent physical and chemical properties and is proprietary in its formulation. The additive can be easily dissolved in heavy fuel oil in any proportion.

The primary function of TC-200A additive is to supply available MgO, which reacts with V2O5 present in heavy fuel oil, forming a high-melting-point vanadium magnesium compound through chemical combination. This compound effectively inhibits vanadium corrosion and results in the formation of dispersed ash that is carried away with the turbine exhaust gas.

The recommended dosage of TC-200A additive in heavy fuel oil is around 3 to 3.5 (Mg:V=3 to 3.5), or as per the instructions provided by the gas turbine manufacturer. When calculating the additive dosage, the nickel content in the heavy fuel oil must be considered along with vanadium.

TC-200A additive is manufactured in strict accordance with GE standard GEK28150B. It exhibits stability to hydrolysis, is oil-soluble, non-volatile, and harmless. The additive is suitable for use in heavy-duty gas turbines employed in industrial, marine, and utility applications.

For any further inquiries or assistance, please contact our technical support team **+8618818620070 / +971545266627**

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai

+971 54 526 6627 / +86 188 1862 0070

enquiry@shalominternationaltrading.com

SHALOM INTERNATIONAL

TRADING & LOGISTICS

TECHNICAL SPECIFICATION

Additive Type	Oil Soluble and oil spersed
Magnesium content	≥20%
Physical appearance	Brown or black viscous liquid
Density	1.20～1.25g/ml (20℃)
Viscosity	≤60mm2/s (40℃)
Flash Point	>65℃
Pour Point	<-20℃
Na+K	≤50mg/Kg
Ca	≤500mg/Kg
Pb	≤5mg/Kg
V	≤5mg/Kg

Packing and Shipping

TC-200A Additive is classified as an industrial chemical. Therefore, it is important to follow accepted commercial practices for packing and shipping, particularly for petroleum fractions type products. Precautions should be taken to prevent exposure to open flames and high temperatures, as well as to avoid any contact with the skin and eyes.

When the ambient temperature is below 50℃, the additive can be directly pumped into tanks. It is non-corrosive to carbon steel, stainless steel, and aluminum. When stored in its original 200-liter iron container, the additive should remain stable without undergoing significant physical changes over an extended period.

We also offer customized packing options to meet specific customer requirements. TC-200A Additive falls under the transporting class of petroleum fractions type products.

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai
+971 54 526 6627 / +86 188 1862 0070
enquiry@shalominternationaltrading.com

SHALOM INTERNATIONAL

TRADING & LOGISTICS

TC-200G OIL SOULUBLE MAGNESIUM ADDITIVE

Specification For TC-200G Oil-Soluble Magnesium Additive For Gas Turbine Fuel Treatment

INTRODUCTION

The purpose of this document is to provide instructions for the use of **TC-200G**, an oil-soluble ultra-high alkali magnesium additive, specifically designed to inhibit vanadium in ash-forming crude and residual fuels for gas turbines.

TC-200G Additive is a turbine-quality, oil-soluble organo-magnesium fuel additive, formulated using high-purity magnesium and petroleum-based sulfonic acid. It possesses excellent physical and chemical properties and is proprietary in its formulation. The additive can be easily dissolved in heavy fuel oil in any proportion.

The primary function of TC-200G Additive is to supply available MgO, which reacts with V2O5 present in heavy fuel oil, forming a high-melting-point vanadium magnesium compound through chemical combination. This compound effectively inhibits vanadium corrosion and results in the formation of dispersed ash that is carried away with the turbine exhaust gas.

The recommended dosage of TC-200G Additive in heavy fuel oil is around 3 to 3.5 (Mg:V=3 to 3.5), or as per the instructions provided by the gas turbine manufacturer. When calculating the additive dosage, the nickel content in the heavy fuel oil must be considered along with vanadium.

TC-200G Additive is manufactured in strict accordance with GE standard GEK28150B. It exhibits stability to hydrolysis, is oil-soluble, non-volatile, and harmless. The additive is suitable for use in heavy-duty gas turbines employed in industrial, marine, and utility applications.

Please refer to the accompanying documentation for detailed instructions on the proper handling and application of TC-200G Additive.

For any further inquiries or assistance, please contact our technical support team **+8618818620070 / +971545266627**

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai

+971 54 526 6627 / +86 188 1862 0070

enquiry@shalominternationaltrading.com

SHALOM INTERNATIONAL

TRADING & LOGISTICS

TECHNICAL SPECIFICATION

Additive Type	Oil Soluble and oil spersed
Magnesium content	≥20%
Physical appearance	White viscous liquid
Density	1.25～1.350g/ml (20℃)
Viscosity	≤200mPa·s (40℃)
Flash Point	>100℃
Pour Point	<-10℃
Contaminants	
Na+K	≤50mg/Kg
Ca	≤500mg/Kg
Pb	≤1mg/Kg
V	≤1mg/Kg

Packing and Shipping

When it comes to packing and shipping TC-200G Additive, it is crucial to follow established commercial practices applicable to petroleum fractions type products. It is important to take precautions to prevent exposure to open flames and high temperatures, as well as to avoid any contact with the skin and eyes.

The additive can be directly pumped into tanks when the ambient temperature is below 50℃. It is non-corrosive to carbon steel, stainless steel, and aluminum. When stored in its original 200-liter iron container, the additive should remain stable without undergoing significant physical changes over an extended period.

We also offer customized packing options to meet specific customer requirements. TC-200G Additive falls under the transporting class of petroleum fractions type products.

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai
+971 54 526 6627 / +86 188 1862 0070
enquiry@shalominternationaltrading.com

SHALOM INTERNATIONAL

TRADING & LOGISTICS

TC-260 GAS TURBINE FUEL ADDITIVE

(Vanadium Corrosion Inhibitor Additive)

INTRODUCTION

The purpose of this document is to provide instructions for the use of **TC-260**, an oil-soluble ultra-high alkali magnesium additive, specifically designed to inhibit vanadium in ash-forming crude and residual fuels for gas turbines.

TC-260 additive is a turbine-quality, oil-soluble organo-magnesium fuel additive, formulated using magnesium hydroxide-based compounds modified by polymers. It possesses excellent physical and chemical properties and is proprietary in its formulation. The additive can be easily dissolved in heavy fuel oil in any proportion.

The primary function of TC-260 additive is to supply available MgO, which reacts with V2O5 present in heavy fuel oil, forming a high-melting-point vanadium magnesium compound through chemical combination. This compound effectively inhibits vanadium corrosion and results in the formation of dispersed ash that is carried away with the turbine exhaust gas.

The recommended dosage of TC-260 additive in heavy fuel oil is around 3 to 3.5 (Mg:V=3 to 3.5), or as per the instructions provided by the gas turbine manufacturer. When calculating the additive dosage, the nickel content in the heavy fuel oil must be considered along with vanadium.

TC-260 additive is manufactured in strict accordance with GE standard GEK28150B. It exhibits stability to hydrolysis, is oil-soluble, non-volatile, and harmless. The additive is suitable for use in heavy-duty gas turbines employed in industrial, marine, and utility applications.

For any further inquiries or assistance, please contact our technical support team **+8618818620070 / +971545266627**

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai

+971 54 526 6627 / +86 188 1862 0070

enquiry@shalominternationaltrading.com

SHALOM INTERNATIONAL

TRADING & LOGISTICS

TECHNICAL SPECIFICATION

Additive Type	Oil Soluble and oil spersed
Magnesium content	≥26%
Physical appearance	white viscous liquid
Density	1.4～1.55g/ml (20℃)
Viscosity	≤500mPa.s (40℃)
Flash Point	>100℃
Pour Point	<-10℃
Na+K	≤65mg/Kg
Ca	≤500mg/Kg
Pb	≤5mg/Kg
V	≤5mg/Kg

Packing and Shipping

TC-260 Additive is classified as an industrial chemical. Therefore, it is important to follow accepted commercial practices for packing and shipping, particularly for petroleum fractions type products. Precautions should be taken to prevent exposure to open flames and high temperatures, as well as to avoid any contact with the skin and eyes.

When the ambient temperature is below 50℃, the additive can be directly pumped into tanks. It is non-corrosive to carbon steel, stainless steel, and aluminum. When stored in its original 200-liter iron container, the additive should remain stable without undergoing significant physical changes over an extended period.

We also offer customized packing options to meet specific customer requirements. TC-260 Additive falls under the transporting class of petroleum fractions type products.

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai
+971 54 526 6627 / +86 188 1862 0070
enquiry@shalominternationaltrading.com

SHALOM INTERNATIONAL

TRADING & LOGISTICS

TC-280 GAS TURBINE FUEL ADDITIVE

(Vanadium Corrosion Inhibitor Additive)

INTRODUCTION

The purpose of this document is to provide instructions for the use MB-2800 / TC-280, an oil-soluble ultra-high alkali magnesium additive, specifically designed to inhibit vanadium in ash-forming crude and residual fuels for gas turbines.

TC-280 additive is a turbine-quality, oil-soluble organo-magnesium fuel additive, formulated using magnesium hydroxide-based compounds or magnesium oxide modified by polymers. It possesses excellent physical and chemical properties and is proprietary in its formulation. The additive can be easily dissolved in heavy fuel oil in any proportion.

The primary function of TC-280 additive is to supply available MgO, which reacts with V2O5 present in heavy fuel oil, forming a high-melting-point vanadium magnesium compound through chemical combination. This compound effectively inhibits vanadium corrosion and results in the formation of dispersed ash that is carried away with the turbine exhaust gas.

The recommended dosage of TC-280 additive in heavy fuel oil is around 3 to 3.5 (Mg:V=3 to 3.5), or as per the instructions provided by the gas turbine manufacturer. When calculating the additive dosage, the nickel content in the heavy fuel oil must be considered along with vanadium.

TC-280 additive is manufactured in strict accordance with GE standard GEK28150B. It exhibits stability to hydrolysis, is oil-soluble, non-volatile, and harmless. The additive is suitable for use in heavy-duty gas turbines employed in industrial, marine, and utility applications.

For any further inquiries or assistance, please contact our technical support team **+8618818620070 / +971545266627**

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai

+971 54 526 6627 / +86 188 1862 0070

enquiry@shalominternationaltrading.com

SHALOM INTERNATIONAL

TRADING & LOGISTICS

TECHNICAL SPECIFICATION

Additive Type	Oil Soluble and oil spersed
Magnesium content	≥28%
Physical appearance	White Viscous Liquid
Density	1.45～1.65g/ml (20℃)
Viscosity	≤1000mPa.s (40℃)
Flash Point	>100℃
Pour Point	<-10℃
Na+K	≤70mg/Kg
Ca	≤600mg/Kg
Pb	≤5mg/Kg
V	≤5mg/Kg

Packing and Shipping

TC-280 Additive is classified as an industrial chemical. Therefore, it is important to follow accepted commercial practices for packing and shipping, particularly for petroleum fractions type products. Precautions should be taken to prevent exposure to open flames and high temperatures, as well as to avoid any contact with the skin and eyes.

When the ambient temperature is below 50℃, the additive can be directly pumped into tanks. It is non-corrosive to carbon steel, stainless steel, and aluminum. When stored in its original 200-liter iron container, the additive should remain stable without undergoing significant physical changes over an extended period.

We also offer customized packing options to meet specific customer requirements. TC-280 Additive falls under the transporting class of petroleum fractions type products.

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai
+971 54 526 6627 / +86 188 1862 0070
enquiry@shalominternationaltrading.com

SHALOM INTERNATIONAL

TRADING & LOGISTICS

TC-300 OIL SOULUBLE MAGNESIUM ADDITIVE

Specification for TC-300 Oil-Soluble Magnesium Additive for Gas Turbine Fuel Treatment

INTRODUCTION

The purpose of this document is to provide instructions for the use of **TC-300**, an oil-soluble ultra-high alkali magnesium additive, specifically designed to inhibit vanadium in ash-forming crude and residual fuels for gas turbines.

TC-300 Additive is a turbine-quality, oil-soluble organo-magnesium fuel additive, formulated using high-purity magnesium and petroleum-based sulfonic acid. It possesses excellent physical and chemical properties and is proprietary in its formulation. The additive can be easily dissolved in heavy fuel oil in any proportion.

The primary function of TC-300 Additive is to supply available MgO, which reacts with V2O5 present in heavy fuel oil, forming a high-melting-point vanadium magnesium compound through chemical combination. This compound effectively inhibits vanadium corrosion and results in the formation of dispersed ash that is carried away with the turbine exhaust gas.

The recommended dosage of TC-300 Additive in heavy fuel oil is around 3 to 3.5 (Mg:V=3 to 3.5), or as per the instructions provided by the gas turbine manufacturer. When calculating the additive dosage, the nickel content in the heavy fuel oil must be considered along with vanadium.

TC-300 Additive is manufactured in strict accordance with GE standard GEK28150B. It exhibits stability to hydrolysis, is oil-soluble, non-volatile, and harmless. The additive is suitable for use in heavy-duty gas turbines employed in industrial, marine, and utility applications.

For any further inquiries or assistance, please contact our technical support team **+8618818620070 / +971545266627**

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai

+971 54 526 6627 / +86 188 1862 0070

enquiry@shalominternationaltrading.com

SHALOM INTERNATIONAL

TRADING & LOGISTICS

TECHNICAL SPECIFICATION

Additive Type	Oil Soluble and oil spersed
Magnesium content	≥30%
Physical appearance	White viscous liquid
Density	1.45～1.650g/ml (20℃)
Viscosity	≤1000mPa·s (40℃)
Flash Point	>100℃
Pour Point	<-5℃
Na+K	≤100mg/Kg
Ca	≤500mg/Kg
Pb	≤2mg/Kg
V	≤2mg/Kg

Packing and Shipping

TC-300 Additive is classified as an industrial chemical. Therefore, it is important to follow accepted commercial practices for packing and shipping, particularly for petroleum fractions type products. Precautions should be taken to prevent exposure to open flames and high temperatures, as well as to avoid any contact with the skin and eyes.

When the ambient temperature is below 50℃, the additive can be directly pumped into tanks. It is non-corrosive to carbon steel, stainless steel, and aluminum. When stored in its original 200-liter iron container, the additive should remain stable without undergoing significant physical changes over an extended period.

We also offer customized packing options to meet specific customer requirements. TC-300 Additive falls under the transporting class of petroleum fractions type products.

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai
+971 54 526 6627 / +86 188 1862 0070
enquiry@shalominternationaltrading.com

SHALOM INTERNATIONAL

TRADING & LOGISTICS

TC-300B

(Corrosion Inhibitor For Heavy Crude Oil)

INTRODUCTION

Boiler assembly units that utilize fuel with high sulfur or vanadium content are prone to blockage and corrosion due to the presence of molten ash. These issues can lead to various performance problems, including an increase in the dew point that triggers low-temperature corrosion, blockage of the preheater resulting in increased corrosion, corrosion of the flue, difficulties in ash cleaning due to increased ash accumulation, higher power consumption of the static precipitator, increased disposal of ash residue, furnace malfunctions caused by the production of substances with low melting points, blockage of the secondary-air entrance and flue gas recirculation entrance, corrosion of the evaporating pipe at the bottom of the boiler, and elevated levels of high-temperature corrosive substances leading to corrosion in the superheater and reheater.

To address these issues, the addition of TC-300B can effectively inhibit the occurrence of these problems, safeguard the equipment, and enhance overall operational efficiency.

For any further inquiries or assistance, please contact our technical support team **+8618818620070 / +971545266627**

TECHNICAL SPECIFICATION

- Type of additive: Oil based magnesium hydroxide dispersion
- Magnesium (weight %): ≥ 30 %
- Appearance: White or grey viscous liquid
- Density: 1.40～1.55 g/ml (20℃)
- Viscosity：≤ 1500 mPa·s (40℃)
- Flash point：> 60 ℃
- Freezing point：< -10 ℃
- Sodium (Na)+ Potassium (K)：≤ 1500 mg/Kg
- Calcium (Ca): ≤ 10000 mg/Kg
- Lead (Pb): ≤ 10 mg/Kg
- Vanadium (V): ≤ 10 mg/Kg
- Aluminuim (Al): < 10000 mg/kg

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai

+971 54 526 6627 / +86 188 1862 0070

enquiry@shalominternationaltrading.com

DOSAGE

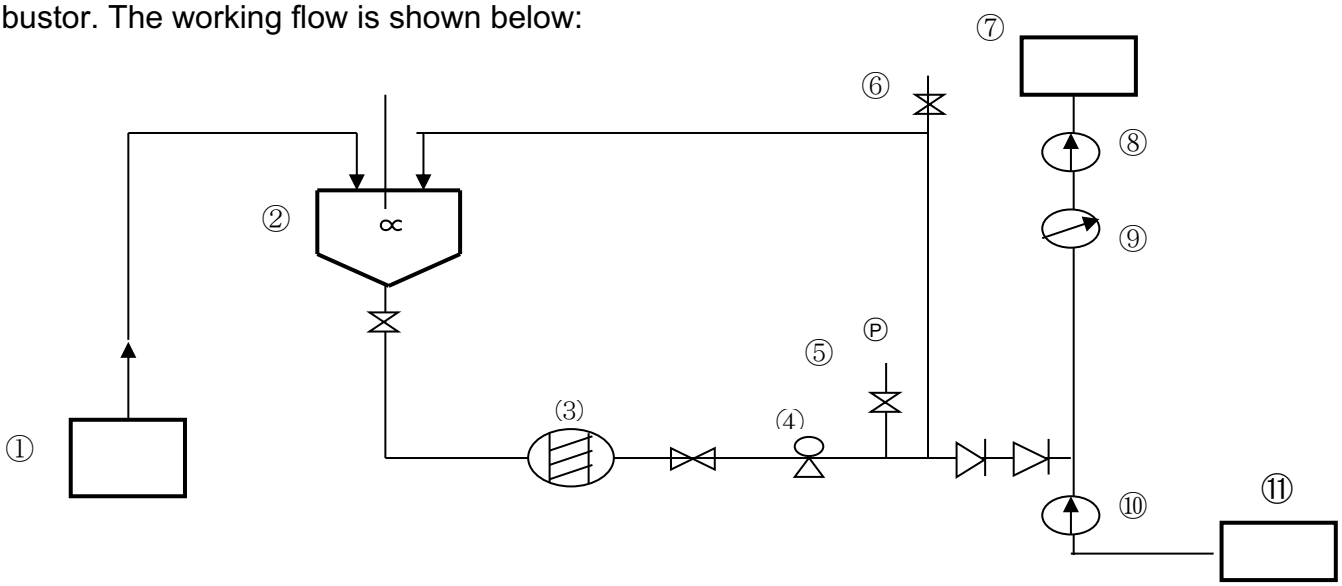
According to the content of vanadium in the fuel, the added amount of magnesium is three times of the content of vanadium. For example, if the content of vanadium in the fuel is 30 ppm, the amount of TC-300B addition is 30× 3/30 % = 300 ppm:

$$W=\frac{3\times S_1}{S_2}\ (ppm)$$

(W: Dosage amount of TC-300B in ppm, S_1: the content of vanadium in fuel in ppm, S_2: the content of Mg in additive in %)

FEEDING

Fuel is added after the low pressure-fuel pump, TC-300B is mixed with fuel and then introduced into combustor. The working flow is shown below:



The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai
+971 54 526 6627 / +86 188 1862 0070
enquiry@shalominternationaltrading.com

1. Package of additive
2. Storage tank of additive mixture
3. Filter net
4. Introduce pump for additive
5. Pressure meter
6. Safety valve
7. Combustor
8. High pressure oil pump
9. Flowmeter
10. Low pressure oil pump
11. Storage tank of fuel

Packaging:

TC-300B is available in 200 L iron drums or 1000 L plastic drums. After opening, it is important to prevent any other substances from entering the container. It should be stored in a cool place. The shelf-life of the product is one year. In the event that precipitation occurs after long-term storage, it can be stirred to homogenize and used as usual.

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai

+971 54 526 6627 / +86 188 1862 0070

enquiry@shalominternationaltrading.com

Demulsifiers TC-350A

(Demulsifier for Gas Turbine/Industrial Fuel Treatment)

DESCRIPTION:

TC-350A is a demulsifier composed of oxyalkylated alkylphenolic resins and alkylphenols in aromatic hydrocarbons. It is used as a chemical aid in the purification process of crude and residual grade fuel oil for gas turbine and industrial applications. Specifically designed to resolve emulsions encountered in fuel desalting processes using electrostatic precipitation or centrifugal techniques, TC-350A is a combustible hydrocarbon with controlled trace metal content. It remains in the treated fuel.

To effectively use TC-350A demulsifier, it should be continuously injected upstream of the water injection point and fuel/water mixing devices using a chemical proportioning pump. The addition rates typically range from 10 to 300 ppm, depending on the fuel type, characteristics of plant equipment, and other process variables.

TYPICAL PROPERTIES

- Density: 0.89 g/mL - 0.97 g/mL
- Flash point (SFCC): >60℃
- Pour point: <-20℃
- Viscosity (38℃): <50 cst

FEATURES AND BENEFITS

- Provides low oil-content effluent water.
- Effectively reduces corrosive sodium and potassium salts, as well as other water-soluble inorganic fuel contaminants, to prescribed levels.
- Facilitates the removal of fuel filterable solid contaminants by de-oiling and water-wetting them, allowing for more complete transfer and removal with the water phase.

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai
+971 54 526 6627 / +86 188 1862 0070
enquiry@shalominternationaltrading.com

SAFETY AND HANDLING:

TC-350A demulsifier should be handled with the same precautions as other industrial solvents and alkalis. Avoid open flames and direct skin and eye contact. In case of contact, wash contaminated areas with soap and water. Launder soiled clothing before reusing.

TC-350A demulsifier is packaged in non-reusable 200L steel drums. Bulk handling for larger shipments is available upon request. The shipping classification is "Compound, Crude Petroleum Treating."

Before handling, storing, or using TC-350A demulsifier, please refer to the Material Safety Data Sheet (MSDS) for detailed information.

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai

+971 54 526 6627 / +86 188 1862 0070

enquiry@shalominternationaltrading.com

SHALOM INTERNATIONAL

TRADING & LOGISTICS

Demulsifiers TC-680

(Gas Turbine Cleaning Agent)

Product

TC-680 is a water-soluble detergent specifically formulated for effectively cleaning gas turbine dirt. This product combines non-ionic wetting agents, penetrating agents, emulsifiers, and carbon deposit removers with suitable inhibitors, antioxidants, and cleansing agents. It provides dual efficacy in terms of cleaning and corrosion prevention. TC-680 is suitable for cleaning various metal and non-metal coatings such as iron, lead, magnesium, nickel, titanium, stainless steel, and cadmium. It is designed to remove deposits from gas turbine systems, resulting in improved machine power after cleaning. Additionally, this product can be used for cleaning internal combustion engine generators.

Application

Dilute 1 part TC-680 with 19 parts high-quality water according to the GTOEM specification. For detailed instructions, refer to the TC-680 Super Concentrate 1:19 Handling Instructions. It can be used with ambient temperature water or heated water, depending on requirements.

Packaging

TC-680 Concentrate 1:19 is packaged in 200-liter PE drums or 1000-liter IBCs (intermediate bulk containers).

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai
+971 54 526 6627 / +86 188 1862 0070
enquiry@shalominternationaltrading.com

Ingredients

Proprietary mixture of surfactants and demineralized water.
Properties: Light yellow transparent liquid, completely soluble in water. Nonflammable, nontoxic, and biodegradable. Specific gravity: 1.10±0.1. pH value: 7.5~8.0 (neat), 7.3~7.5 (in solution). Flashpoint: >100°C.

Safety

This water-based detergent does not contain hydrocarbon solvents and toxic ingredients. Prolonged contact may dry out the skin, so it is recommended to wear gloves when handling. Avoid contact with eyes (minor irritation possible upon contact). Ingestion may cause discomfort. Follow safety precautions: R26/38, S24/25.

Storage

Store only when diluted to the standard concentration of 1:4 (storage temperature above 5°C). Shelf life when diluted: 5 years.

Transport

Not classified as dangerous under UN, IMO, ADR/RID, and IATA/ICAO regulations. SIN: Not assigned. Custom tariff number: 34022090.

Disposal

TC-680 breaks down under biological sewage treatment and is practically nontoxic to organisms in sewage plants. The product is environmentally degradable.

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai
+971 54 526 6627 / +86 188 1862 0070
enquiry@shalominternationaltrading.com

SHALOM INTERNATIONAL

TRADING & LOGISTICS

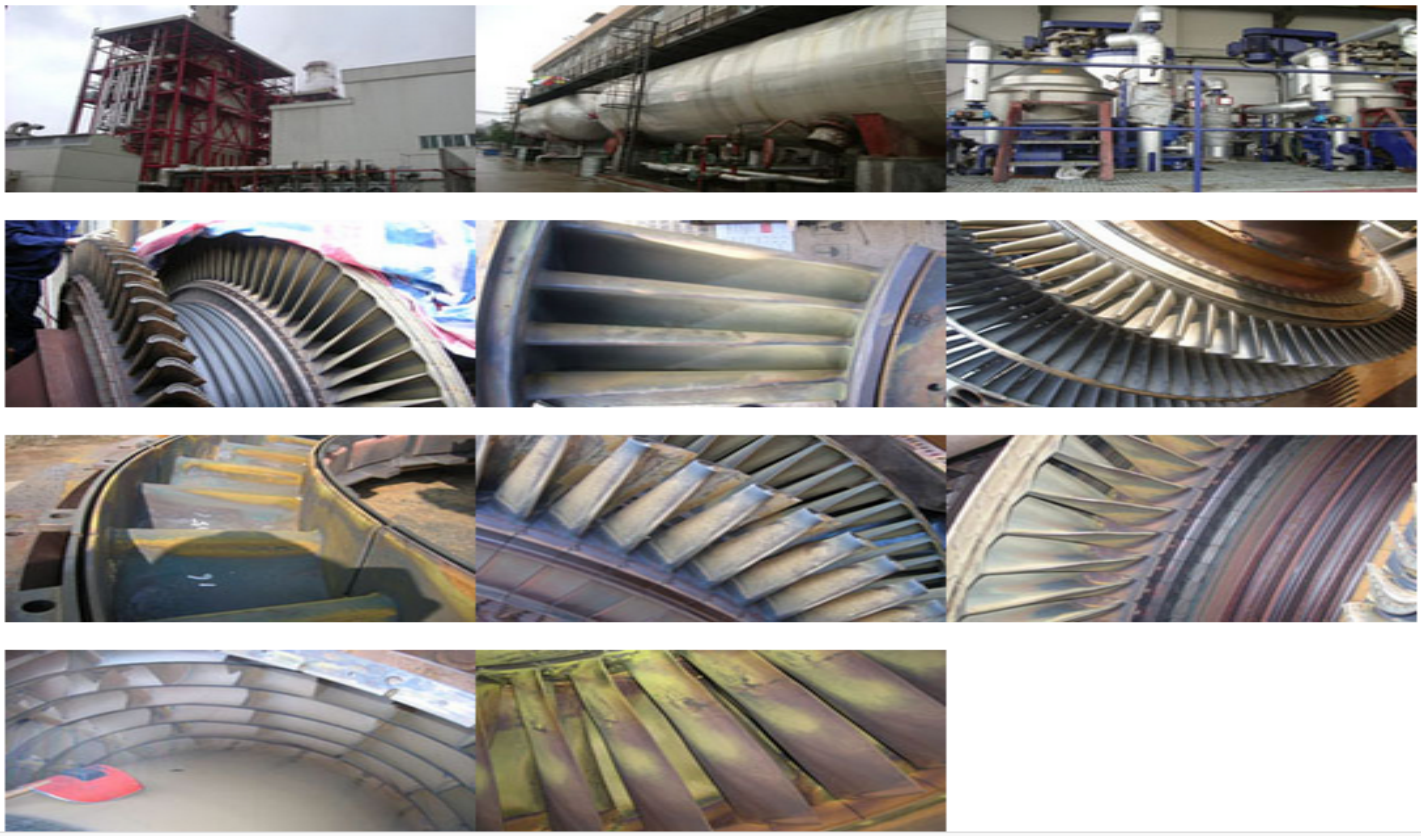
用户名	机组名	使用产品
佛山市沙口电厂	ABB机组	TC-680透平清洗剂、破乳剂TC-830 TC-200抑钒剂
佛山市福能发电厂	9E机组×2	TC-680透平清洗剂、破乳剂TC-830/TC-860/TC-8603
深圳宝昌电厂	9E机组×2	TC-200抑钒剂、TC-1026抑烟剂 、破乳剂TC-830/TC-8603、TC-173A脱钙剂、TC-680透平清洗剂
深圳福华德电厂	9E机组×2、西门子V94.2机组	TC-200抑钒剂、破乳剂TC-830/TC-860、TC-173A脱钙剂、TC-680清洗剂
深圳钰湖电厂	9E机组×2	破乳剂TC-830/TC-860/TC-8603/TC-818、TC-680透平清洗剂、TC-200抑钒剂
深圳龙岗电厂	6B机组	破乳剂TC-830/TC-860 TC-200抑钒剂
深圳南山电厂	9E机组×4	破乳剂TC-830/TC-8603
深圳月亮湾电厂	9E机组×1	破乳剂TC-830/TC-8603、TC-173A脱钙剂、TC-1026清水剂、TC-680透平清洗剂 TC-200抑钒剂
深圳唯美电厂	9E机组×2	破乳剂TC-8603/TC-860、TC-200抑钒剂
东莞东兴电厂	9E机组×2	破乳剂TC-8603、TC-1026抑烟剂、TC-200抑钒剂
深圳美视电厂	6B机组×2	抑钒剂TC-100/TC-150、TC-830破乳剂
惠州丰达电厂	9E机组×2	TC-173A脱钙剂、tc-830破乳剂、TC-680透平清洗剂
汕头汕特电厂	6B机组×2	破乳剂TC-830/TC-818
东莞天明电厂	6B机组×2	破乳剂TC-830/TC-860、TC-1026抑烟剂 TC-200抑钒剂
东莞虎门电厂	9E机组×1	破乳剂tc-830/tc-8603、TC-680透平清洗剂、、TC-1026抑烟剂

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai
+971 54 526 6627 / +86 188 1862 0070
enquiry@shalominternationaltrading.com

SHALOM INTERNATIONAL

TRADING & LOGISTICS

中山永安电厂	9E机组×1	TC-200抑钒剂、破乳剂TC-830/TC-860、TC-680透平清洗剂、TC-1026抑烟剂
珠海洪湾电厂	9E机组×2、6B机组×2	TC-200抑钒剂、破乳剂tc-830/tc-860、TC-173A脱钙剂、TC-1026抑烟剂、循环水阻垢缓蚀杀菌剂
福州明达电厂	6B机组×2	破乳剂TC-830/TC-860
中山南朗电厂	9E机组×2	破乳剂TC-830/TC-860、TC-680透平清洗剂 TC-200抑钒剂



The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai
+971 54 526 6627 / +86 188 1862 0070
enquiry@shalominternationaltrading.com

Demulsifiers TC-860

TC-860 is a polymer mixture composed of various organic monomers. It is primarily used as a demulsifier in the desalting and dehydration processes of fuel oil (heavy oil) or crude oil using electrostatic or centrifugal techniques. It acts to reduce viscosity and remove water, aiming to eliminate corrosive sodium and potassium salts in the fuel oil, as well as reduce water-soluble inorganic impurities, thereby decreasing the oil content in wastewater and facilitating wastewater treatment. TC-860 does not contain inorganic ash, and over 99% of TC-860 remains in the fuel oil after treatment, ensuring complete combustion without environmental pollution.

Performance Specifications

- Appearance: Light yellow or yellow liquid
- Solubility: Water-soluble
- Density (25℃): 0.95-1.05 kg/l
- pH Value: 6-8
- Freezing Point: ≤-15℃
- Flash Point: ≥60℃

Instructions for Use

1. TC-860 can be used directly or diluted with water.
2. TC-860 should not be mixed with oil-soluble demulsifiers, as it may cause pump and pipeline blockages.
3. Use a chemical metering pump to inject TC-860 into the oil-water mixture system. The dosage generally ranges from 50 to 300 ppm, depending on the type of oil, system equipment, and operating temperature. TC-860 can be used alone or in combination with other water-soluble demulsifiers to enhance desalting capabilities.

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai
+971 54 526 6627 / +86 188 1862 0070
enquiry@shalominternationaltrading.com

4. When using this product, standard precautions for handling general industrial solvents and acid-base substances should be taken. Keep away from flames and avoid contact with eyes and ingestion. In case of contact, rinse immediately with clean water.

Packaging and Storage

TC-860 is packaged in 200-liter iron drums and should be transported according to the requirements for petroleum processing agents. Handle with care to prevent damage to the packaging drums. Store in a cool place. The product has a shelf life of one year, and it should be tested for compliance before use if expired.

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai

+971 54 526 6627 / +86 188 1862 0070

enquiry@shalominternationaltrading.com

SHALOM INTERNATIONAL

TRADING & LOGISTICS

Demulsifiers TC-8603

Description

TC-8603 is a demulsifier specifically designed for handling industrial fuel in gas turbines. It primarily consists of non-ionic surfactants polymerized with starting agents and blocks of epoxy propane and ethylene oxide. At normal temperatures, it appears as a pale yellow, poisonous fluid. TC-8603 can be dissolved in water or ethanol and forms an emulsion when mixed with water.

Application

TC-8603 is used in water-wash injection before plants where oil and water mixtures are continuously metered. The recommended concentration ranges from 30 to 300 ppm, depending on the type of petroleum, its characteristics, system equipment, and other technological requirements.

Advantages of using TC-8603

- Effectively targets and removes corrosive sodium salt, potassium salt, and other water-soluble inorganic substances in fuel.
- Reduces the volume of oil in wastewater.
- Removes solid particles of oil in water, converting filter solid waste into water lubricity, facilitating wastewater treatment.

Property List of TC-8603

- Density (30℃, g/cc): 0.95-0.98
- Solubility: Water
- Flash point (sfcc, ℃): >55
- Solubility point (℃): <-20
- Viscosity @ 100℉ (40℃) sus mm2/s: <40

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai
+971 54 526 6627 / +86 188 1862 0070
enquiry@shalominternationaltrading.com

Transport

During transport, TC-8603 should be handled with the same protective measures as other industrial solvents and bases. This includes avoiding fire and contact with eyes and skin. In case of spills, the affected area can be cleaned with soap and water.

Package:
TC-8603 is packaged in 200L steel cylinders, which are non-recyclable. Larger quantities can be transported based on customer requirements. The shipping classification falls under compounds and oil finishing agents.

The Meydan Hotel, Business Center 1 - M Floor Nad Al Sheba 1 – Dubai
+971 54 526 6627 / +86 188 1862 0070
enquiry@shalominternationaltrading.com