

EFS-5600 SCALE REMOVER

TECHNICAL DATA SHEET

1. **Product Description & Use:** EFS-5600 is a revolutionary **Scale Remover** that is safe for the users, substrate and the environment. It is classified as non-hazardous. Contains no harsh acids, caustic and removes the deposit scale inside the boiler.

2. **Features & Benefits:**

- **Safe:** Formulated with no toxic chemicals including acids, caustics, NMP and will not burn the skin but proper PPE should always be worn.
- **Effective:** De-scale the deposit inside the boiler.
- **Environmentally Friendly:** Water based, biodegradable, low VOC, no TAP's, no HAPs.
- **Simple:** Easy to apply and easy to remove.

3. **Limitations:** For the best results, the solution temperature should be 15°C (60°F) - 35°C (95°F). Product can be applied as low as 10°C (50°F), however, efficiency and effectiveness are reduced, and dwell times are increased.

4. **Testing:** Always prepare a test area on each type of surface and coating prior to full application. Testing prior to starting your project is the best way to ensure product suitability. This will also determine how thick of layer you should apply and the dwell time for completion.

5. **Application & Spread Rate:**

Immersion treatment: Drained an immersion solution into the tank then check the PH solution, if the pH is acid<6; we need to neutralize to pH=6.5 and plus by NaHO solution. After neutralization, the pH is 7.5 or plus then we can discharge to the storm source.

The 3N NaOH solution will be used as neutralizer. Assume 20 Totes De-scale solution will be applied, 1 tote of neutralizer is 1023l. The total volume will be 20460L. For the safe, the required

amount of neutralizer at lower initial pH value is use for calculation. The total neutralizer should be 2670L 3N NaOH solution.

6. **Availability & Cost:** The EFS-5600 is available at **Molecular Tech Coating Inc.**

7. **Maintenance:** No other service is required after project is finished.

8. **Health & Safety Requirements:** Not for the internal consumption. EFS-5600 is formulated to be safe for the user, surface and environment, proper safety procedures should be followed at all times. Refer to the SDS (safety data sheet) for important health and safety information and protocol.

Note: In case of contact with skin or eyes, wash well with water. If irritation continues seek medical attention. Keep out of reach of children.

9. **Warranty:** **Molecular Tech Coating Inc.** warrants all of its products to be free from defects and makes no other warranties with respect to its products, express or implied, including without limitation of the implied warranties of MERCHANTABILITY OF FITNESS FOR PARTICULAR PURPOSE. **Molecular Tech Coating Inc.** liability shall be limited in all events to supplying sufficient products to re-treat the specific areas to which defective product have been applied. **Molecular Tech Coating Inc.** shall have no other liability, including liability for incidental, consequential or resultant damages whether due to breach of warranty or negligence. This warranty may not be modified or extended by representatives of **Molecular Tech Coating Inc.** or its distributors, and dealers.

10. **Technical Services:** **Molecular Tech Coating Inc.**'s highly experienced staff is available to answer technical questions and provide product-specific information required by

architects, specifiers, contractors and property owners. Expert on-site assistance is available at no additional cost. Call 1-604-616-2661.

11. *Technical Data*

Color	Clear-Transparent
Vapor pressure	As water
Immersion Corrosion	No Effect
Density	1.0-1.2
PH	<1
Flash Point	<94 °C
VOC	54 G/Liter
Viscosity (As Water)	16-18 SEC