## Description

**ALSTASHINE -** Coil Cleaner is a non-acid liquid cleaner and brightener for complete removal of dirt, dust, greasy and oily soils, carbon deposits and grime on the aluminum fins and copper coils of AHU, FCU, Air Conditioners, Car Condenser and Radiator (external), Air Cooled Chillers, Air Cooled Condensers, Air Cooler Tube Bundle etc. It is easily used manually with normal, hydraulic or atomized sprayer. It rapidly cuts organic deposits and disinfects the system to circulate fresh & healthy air.

ALSTA SHINE has self foaming characteristics which immediately starts foaming when it comes in contact with dirt, enabling excellent penetration of the cleaning chemical into the coils for complete cleaning that instantly shows increase of CFM/Air Velocity in AHU (Air Handling Units). Air passing through the coil contains microscopic and minute dirt particles, as well as other foreign material. After some time, these debris build up on the coil surface, making it more difficult for the cooling coils to provide cooling. This increases the operational costs. A dirty coil is insulated, and it takes longer time to cool.

Unclean coils cause the followings:

1. Equipment are made to run longer giving it more wear and tear,
2. Use up more energy (electricity) than a clean coil, causing the energy costs to rise
3. It circulates un-healthy air and strictly compromises with the IAQ (Indoor Air Quality)

Air conditioners are the single most energy consuming appliances in a building or facility. Dirty coils highly increases the operational cost. When the coil becomes fouled with dirt and grime deposits, it becomes unable to provide complete or adequate heat transfer, which is expected from a clean coil!
equipment's compressor senses this and tries to overcome the cooling deficit by increasing to a higher system pressure. This consumes greater electricity. For example, a dirty coil could easily consume upto 37% more electricity than as compared to a clean coil.

As the dirt and grime on the condenser coil restrict, more and more heat is added to the system and the head pressure could rise by as much as 75%. This would result in a loss of cooling capacity of up to 30%.

**Application**

AHU, FCU, Air Conditioners, Car Condenser and Radiator external, Air Cooled Chillers, Air Cooled Condenser, Air Cooler Tube Bundle etc.

**Specification**

<table>
<thead>
<tr>
<th>Chemical Type</th>
<th>Organic Chemical Compound (Biodegradable)</th>
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<tbody>
<tr>
<td>Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Acidity %</td>
<td>Nil</td>
</tr>
<tr>
<td>Solubility</td>
<td>Completely Soluble in Water</td>
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</tbody>
</table>

**Dosage**

Dosage depends upon soil and application. The specific dosage rates and method will be specified by the Chemtex technical representative.

**Major Benefits**

- Non Acidic and Non-Harmful for copper and aluminum
- Quick Action
- Very Effective cleaning and brightening of fins and coils to as good as new
- Self Foaming characteristics
- Biodegradable