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Document Title Multi-Purpose Cleaning using Heavy Duty Cleaner

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	Information For Use Document (IFU)	02/05/2017	M.Kritzler	S.Gregson

1. PURPOSE

THE PURPOSE OF THIS PROCEDURE IS TO CLEAN AND DETACH BIOLOGICAL DEPOSITS FROM VARIOUS SURFACES.

- Heavy Duty Cleaner is known to be effective for the removal of heavy grease, oil and soil deposits.
- Specific uses include the removal of grease from ovens, stoves, range hoods, barbecues and IS NON-CAUSTIC.
- It has been clearly demonstrated that high levels of mould, dust and grime affect indoor air quality.
- This procedure assures a cleaner surface and residual protection if AerisGuard products are to follow the Heavy Duty Cleaner.

This IFU covers the steps and actions that need to be followed when using Heavy Duty Cleaner.

All Aeris Environmental personnel and sub-contractors are expected to take an active role in establishing, implementing and maintaining this Procedure in line with this IFU according to their role and responsibility.

The purpose of acting in accordance with this IFU is to have an uninterrupted, smooth process that ensures that correct process and use of the products are followed. This IFU shall also be part of Aeris's continuous improvement initiative.

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1. PROCEDURE DESCRIPTION AND PROCESS FLOW

All works to be carried out with the product should be performed in compliance with relevant national Health, Safety and Environmental standards and regulations. Before commencing use of the product consult this IFU, the SDS, your work order and / or the job specification.

If the warnings and instructions are not fully understood or compliance with all safety instructions is not possible contact the manufacturer for clarification, do not use the product.

The steps in this procedure are as follows:

1. Preparation
 - a. Product Handling & Packaging
 - b. Apparatus & Equipment Required
 - c. Product Dilution and Application Rates
 - d. PPE & OHS Requirements
2. Setup
3. Application Process
4. Cleanup Process
5. End of IFU

2. PROCEDURE

1. Preparation

a. Product Handling & Packaging

Consult the product Safety Data Sheet (SDS) prior to use.

Always store the product out of direct sunlight and not exposed to hot environments for extended periods of time.

The product is available in 20L & 5L units & has a shelf life of 2 years.

b. Apparatus & Equipment Required

Measuring vessel - Rags - Wet Vac (if necessary)

Spray bottle - Pump pack

High pressure washer for post rinsing.

c. Product Dilution and Application Rates

- The dilution rate of the Heavy Duty Cleaner is dependent on the level of soiling and make up of the matter being cleaned.
- Product can be diluted up to 5:1. This dilution rate should be a guide as to how much you can dilute to clean less heavily soiled areas.
- Each site and asset to be cleaned will vary on the level of dilution needed to achieve required level of cleaning so the solution should be mixed accordingly.
- Application rates will depend on the chosen method of cleaning. **Product can be applied by wiping, pressure washing or put in a soak tank.**

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d. PPE & OHS Requirements

Protective gloves should be worn.

Safety eyewear should be worn.

Care should be taken not to breathe the spray or have product splash around mouth/face.

SAFETY PRECAUTIONS:

- Should any Heavy Duty Cleaning Solution splash onto the skin or clothing it should be washed off with water and clothes washed before wearing again. If irritation occurs seek medical advice.
- It is recommended that Gloves, safety goggles and a respiratory mask are worn when handling Heavy Duty Cleaning Solution. Please see product label for other safety information.
- Follow all OH&S or equivalent standards regarding personal protection and site specific requirements.

2. Setup

All electrical equipment in the vicinity to be cleaned should be isolated by appropriately qualified person and all local area guidelines followed.

Any equipment or surfaces that are to remain dry should be covered with protective plastic sheeting or removed from area if possible.

3. Procedure

Depending on the chosen method of application – WIPING, PRESSURE WASHING OR SOAKING the applicator should first assess the level of soiling and the type of soiling to ascertain the dilution rate.

Once the Heavy Duty Cleaner has been applied generously to cover the surface being cleaned it needs to be washed with water. The use of a water pressure washer will give the best results.

- It is important to understand if pressure cleaning coils may increase airborne Macromolecular Organic Dust (MOD) concentrations. Extreme care must be taken to ensure containment to the area being cleaned and treated.
- Blanking duct entries etc. with sealed plastic sheeting will provide an effective barrier. This also ensures no moisture carry over into supply air duct insulation/attenuator.

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Uncontrolled When printed			

4. Clean Up

Once rinsing has been completed and satisfied no more cleaning needs to take place the area should be restored to pre cleaning state.

A wet vac is a fast and efficient way to restore this area to pre clean state.

Once water has been removed then any plastic sheeting can be removed before any machinery turned back on using the necessary person as to local requirements.

Recommended additional process

It is highly recommended that all cleaned surfaces be treated with **AerisGuard Bioactive Coil Treatment IFU 002** if you've cleaned a Heat Exchange Coil & AerisGuard Surface Treatment as found in **IFU 004 Surface Treatment of HVAC&R Surfaces (Walls, floor and surrounds)** if you have cleaned a hard surface.

This will help -

Prevent from recontamination (microbial growth)

- Sustained and long-term coil efficiency
- Improved machine operational performance
- Superior indoor air quality
- Compliance with AS3666