Emerald G&S 20/20

Emerald G&S 20/20 is a clear, heavy duty, mildly alkaline, low foam, glass and general-purpose maintenance cleaner intended for industrial and institutional cleaning tasks. The product is water soluble, non-flammable and free of petroleum and chlorinated solvents, caustics, borates, and phosphates**. Emerald G&S 20/20** is formulated with a biodegradable surfactant system derived from sustainable resources offering superior wetting, emulsification, and dispersion. Because of its unique formulation, it will clean a variety of oils, fats, and particulate soils from glass and other hard surfaces.

All the raw materials used in Emerald G&S 20/20 will pass the US Environmental Protection Agency's (EPA) Design for the Environment Program (DfE) screening as offering improved health and environmental characteristics.

Features & Benefits

- Raw materials will pass DfE screening.
- High detergency
- Wetting agents are derived from sustainable sources and are biodegradable
- Mild pH of less than 10.5
- Low foam formulation
- Free rinsing
- Good soil penetration
- Emulsifies most oils.
- Good particulate soil removal characteristics
- VOC less than 5%
- Contains no chelating agents
- Effective at low operating temperatures
- Easily waste treated
- Contains no fragrances or dyes

Typical Applications

- Heavy duty glass cleaning
- Machinery cleaning; stamping, drawing, milling, etc.
- Floor cleaning in manufacturing plants
- General maintenance cleaning
- Transportation cleaning
- Steam cleaning

How and where to use

Glass cleaning

Emerald G&S 20/20 may be used as a spray on, wipe or brush-on cleaner. It may be used in rinse and no rinse applications then squeegee dry. Emerald Glass Clean 20/20 is effective on hard to remove residue such as those found in marine environments or that produced by aluminum screens.

Use at 0.5 to 1.5% by volume (0.6 to 2.0 fluid oz. per gallon).

Light soils on painted surfaces, dilute 1 part **Emerald G&S 20/20** with 10 to 19 parts water, spray or wipe on then rinse or wipe off with clean cloth. For heavier dirt, dilute 1 part to 5 parts of water.

Machinery cleaning, dilute 1 part **Emerald G&S 20/20** with 1 to 4 parts for light oil and soils, spray or wipe on then rinse or wipe off with a clean cloth. For heavy oil and soil removal, dilute 1 to 1.

Soak tank cleaning of clean metal parts, tools, filters, etc. use at 10% to 20% by volume. Heating solution (up to 180F) will speed cleaning. Most metals are not harmed when using the dilutions recommended above. **Emerald G&S 20/20** is not recommended for use on aluminum substrates at elevated temperatures.

Steam cleaning dilute 1 part **Emerald Glass Clean 20/20** with 50 to 99 parts water.

Floor cleaning, use at 2 to 5% by volume (2.5 to 6.5 fluid ounces per gallon).

Transportation cleaning, for heavy soils dilute one part **Emerald G&S 20/20** with 20 parts water.

For light soils dilute one part with 30 to 50 parts water.

Burnishing / Mass Finishing, use at 2 to 4% by volume in water.

Emerald HD is a heavy-duty alkaline cleaner. Most surfaces can be safely cleaned with when used as directed. Rinsing or wiping off should be done as quickly as possible. When using on painted surfaces it is always advisable to keep contact times to a minimum.

Caution

Emerald G&S 20/20 is a mildly alkaline material so always wear goggles, rubber gloves and protective clothing when working with the product. It is important to read and understand the material safety data sheet prior to working with Emerald G&S 20/20

In case of skin or eye contact flush exposed areas immediately with clean, cold water. Contact a doctor in case of eye contact or injury.

Waste Disposal

Used solutions and rinse waters should be discharged to a permitted wastewater treatment system in accordance with all applicable local, state and federal environmental regulations.

WARRANTY: THE QUALITY OF THIS PRODUCT IS GUARANTEED ON SHIPMENT FROM OUR PLANT. IF THE USE RECOMMENDATIONS ARE FOLLOWED, DESIRED RESULTS WILL BE OBTAINED. SINCE THE USE OF OUR PRODUCTS IS BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE AS TO THE EFFECTS OF SUCH USE, OR THE RESULTS TO BE OBTAINED.

Our People. Your Problem Solvers.

For more information on this process,
please call us at 203.756.5521 or email: techservice@hubbardhall.com

Hubbard-Hall holds certifications for **ISO 9001:2015**, Responsible Distribution, as accredited by the **ACD** (Alliance for Chemical Distributors) and as a **Women-Owned Small Business**, as well as maintaining an association with **Omni-Chem**[136].