



Guardian
Vapor Degreasing & Cleaning Solvent
PRODUCT #: WH-3200

- **Non-Flammable**
- **Direct replacement for HCFC-141b, 1,1,1-Trichloroethane**
- **Contains no chlorinated solvents**
- **Excellent cleaning properties**
- **Fast evaporating**
- **Environment friendly**
- **Contains no material listed in the Montreal Protocol or US Clean Air Act**

WH-3200 Guardian was formulated for general cold dip and hand wipe applications. **Guardian** possesses excellent cleaning properties and solvency power for a wide range of materials including solder fluxes, waxes, UV adhesives, metal working oils, coolants, and greases and solvent based inks. **Guardian is an excellent replacement for dangerous brake cleaners.** It has an evaporation rate 4.5 times that of Butyl Acetate. **Guardian** leaves no measurable residue after cleaning and it is compatible with a wide range of metals, plastics, elastomers and phenolics.

Not recommended to use for cleaning rubber products.

Applications & Uses	Dilutions	Directions
Used dip tank and cold wipe cleaning operations	Full Strength	Empty and thoroughly clean old solvent from cleaning equipment prior to adding new Guardian . Use this product in the same manner as other hand wipe or dip tank solvents. Closely follow the handling, storage and personal protection instructions given in the product MSDS.

If replacing another vapor degreaser, follow tank cleaning recommendations before using Guardian.

Applications & Uses	Dilutions	Directions
Aerosol cleaning of electrical, engine and brake parts	Full Strength	Spray ample amount of Guardian on parts to be cleaned, wipe off or let evaporate. The surface should be residue free if enough cleaner has been applied.

Suggested Industry Applications:

Aeronautical
Automotive
Machine Shops

Mining
Oil Refineries

Electronics Manufacturing
Printing

Specifications:

Appearance	Clear, thin liquid
pH	Neutral
Flashpoint	None
Auto Ignition Temperature	490°C
Vapor Density	4.3
DOT Label	None

General Cautions For Use: Commercial/ Industrial Use Only

This product is to be used by trained professionals. **KEEP OUT OF THE REACH OF CHILDREN.**
Avoid adding moisture to the solvent during use. Avoid temperatures above 490°C.

Container Sizes:

656 lb. drum