

Hypersolve™

Powerful, Nonflammable Degreaser

Product Data Sheet



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Description

Hypersolve™ is a new cleaner solvent degreaser based on n-propyl bromide as an alternative for traditional Chlorinated solvents. Hypersolve™ has physical properties and cleaning efficacy similar to that of 1,1,1-Trichloroethane (TCA). Hypersolve™ has a very low ozone depletion potential (0.002) and no flash point. Solvency, handling and drying characteristics are similar to TCA. Applications include metal, electronic, and precision cleaning, cold cleaning and vapor degreasing a variety of contaminants and substrates. Hypersolve™ cleans difficult contaminants such as oils, greases, adhesives, solder fluxes, and resins.

Benefits

- Cleaning performance – ability to remove a broad range of soils with wide applicability
- Compatibility – Minimal production impact and little or no new capital investment with existing equipment and processes.
- Environmentally Friendly – Low ODP, GWP
- Worker Safety & Health – Adequate ventilation and precautions to prevent worker exposure above the safe limits are critical, the Manufacturers Recommended Exposure Limit + 100 PPM.
- No Flash Point – No flash point exhibited by standard ASTM procedures.
- Metals Compatibility – Properly stabilized, the cleaner is un-reactive toward metals like aluminum, magnesium, titanium, and brass.
- Rapid Drying – Quick dry-to-dry cycle.
- Low Solvent Loss – Low latent heat of vaporization allows rapid drying combined with low solvent loss through evaporation.
- Hydrolytic Stability – HyperSolve is stable in the presence of contamination by water a common problem in vapor degreasing operations.
- Recyclable – Ease of solvent recycle helps reduce costly solvent disposal and increases efficiency.

Applications

- Drying agent
- Precision cleaning
- Cleaner/degreaser
- Automotive parts cleaning
- Printed wiring board cleaning
- Adhesive and sealant removal
- Surface wipe cleaning
- Carbon soil removal
- Metal cleaning, hydraulic parts, wheels and brakes

Key Physical Characteristics

Property	Typical Value
Boiling Point	160° F (71°C)
Color	Colorless
Flash Point, Tag Closed Cup	None
Odor	Ethereal and Faintly Sweetish
Percent Volatile	100%
Solubility in Water	0.25 g/100 g water
Specific Gravity	1.35 @ 25° C
VOC Content	1350 gm/L
Vapor Density (Air=1)	~4.3
Vapor Pressure	111 mmHg @ 20°C

Safety and Handling Precautions

Good ventilation is a must. Use self contained breathing apparatus if above TLV. Solvent resistant gloves and safety glasses, with splash protection, are required. All used and unused product should be disposed of in conformance with local, state and federal regulations. Keep out of reach of children. Treat this chemical with respect and follow all MSDS instructions.

Packaging

Prod. Name	Code	Packaging	Natl. Stock No.
Hypersolve™	0338-55	55 Gal. Drum	6850-01-450-6160
Hypersolve™	0338-5	5 Gal. Pail	6850-01-450-6162
Hypersolve™	0338-1	4 x 1 Gal./Case	6850-01-450-6165