

SOLVEX™ HD

Benefits

SOLVEX HD is best, low cost drop-in replacement for n-Propyl Bromide (nPB) in vapor degreasing operations. This patented* product can easily replace trichloroethylene (TCE), perchloroethylene (PERC), HCFC-225 and other regulated solvents commonly used in open top vapor degreasers. SOLVEX HD is non-flammable, SNAP approved and has outstanding solvency (**Kb Value 91**). Used as directed, SOLVEX HD will help reduce hazardous emissions, minimize environmental reporting, and is considered the **low cost alternative** when switching from nPB and chlorinated solvents.

Product Contents

SOLVEX HD is a precise mixture of fluorinated solvents and Trans-1,2-dichloroethylene. This powerful solvent blend is perfect for cleaning, rinsing and drying all types of precision parts in a waterless process. It is recommended that SOLVEX HD be used in low emission open top or vacuum vapor degreasers to minimize solvent losses and reduce running costs. Contact Florachem technical support for vapor degreaser emission reduction recommendations. With adherence to the exposure limits specified in the Safety Data Sheet, Solvex HD can be used for cold cleaning and manual cleaning applications.

Applications

SOLVEX HD can clean a variety of soils and residues including:

Solder Flux/Paste Residues	Ionic Residues	Adhesives
Greases	Mineral Oils	Carbon Soils
Buffing Compounds	Resins & Inks	Hydraulic Fluids
Silicone	Lapping Compounds	Sealants
Lubricants	Synthetic Oils	Waxes

Vapor Degreaser Settings and Maintenance**

Recommended settings for temperature and safety sensors on a typical vapor degreaser using SOLVEX HD.

Refrigeration Thermostat (RT)	36-41°F / 2-5°C
Safety Vapor Control (SVC)	120°F / 49°C
High Temperature Control (HTC)	124°F / 51°C
Liquid Temperature Control/Sensor (LTC)	120°F / 49°C
Vapor Up Thermostat (VU/TH)	120°F / 49°C
Freeboard Refrigeration Temperature (FR)	See Equipment Mfg Recommendation

**These settings and abbreviations are the most commonly used, however, these might vary with equipment. Older vapor degreasers may not include certain controllers such as LTC, VU and FR.*

SOLVEX HD can be used, distilled and recycled numerous times before the solvent is considered spent. The boiling point of the sump will rise as the product becomes saturated and should be monitored periodically to insure cleaning performance remains at acceptable levels.

Environmental & Regulatory Status

Global Warming Potential (GWP), Years	122
Ozone Depletion Potential (ODP)	Zero
RoHS Compliant	Yes
TSCA Listed	Yes
US Hazardous Air Pollutant (HAP)	No
US Nat'l Emission Standards for Hazardous Air Pollutants (NESHAPs)	Not Regulated
US Resource Conservation and Recovery Act (RCRA)	Not Regulated
US Significant New Alternatives Program (SNAP)	Approved
US Superfund Amendments and Reauthorization Act (SARA)	Yes, SARA 313
VOC Content (concentrate)	815 g/l

Compatibility

SOLVEX HD is compatible with most materials and parts typically cleaned with nPB and chlorinated solvents in vapor degreasers. For specific recommendations on plastics and elastomers, please contact Florachem.

Packaging, Handling, and Storage

SOLVEX HD is packaged in 55-gallon drums (243kg net) and 5-gallon metal pails (23kg net).

It is classified as non-hazardous for transport by the U.S. DOT. Chemical-resistant gloves and safety glasses should be worn when handling.

Store SOLVEX HD inside under ambient conditions. Shelf life is indefinite however quality should be checked after 36 months in unopened, original containers. This product is rated as non-flammable by US NFPA and OSHA.

Disposal

Incineration is the most common disposal method for fluorinated and chlorinated solvent waste. Contact your local waste management company for solvent recycling in your area.

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The information and statements herein are believed to be reliable, but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE. Nothing herein is to be taken as permission, inducement or recommendation to practice any patented invention without a license.

Worldwide Locations: Jacksonville, FL. : Mission, TX. : Newark NJ : Springfield, MO : Hong Kong. : Tokyo : Osaka

SOLVEX is a trademark of Samuel Banner & Co. Ltd

SOLVEX HD is patented under USA DIV1 6743765, DIV2 7189339, DIV3 7022253, DIV4 7517845, USA PCT 6660709; CAN PCT 2354566; MEX PCT 22906