

# SOLVEX HD

## Technical Data Sheet for Electronics Defluxing



**Banner Chemicals Group UK**  
Flying the flag of excellence for over 150 years

**Solvex HD** is a unique, patented environmentally & operator friendly immersion/vapour degreasing solvent. This product is based on a blend of powerful cleaning solvents.

**Solvex HD** is an ideal product for electronics defluxing. Its high wetting ability makes it perfect for cleaning components with complex geometries & under large tight chips while its superior solvency power easily removes flux residues.

The outstanding cleaning performance and excellent HS&E characteristics of **Solvex HD** gives this product good potential for widespread use in critical cleaning electronics applications within the medical devices, defence and critical applications.

**Solvex HD** is an excellent alternative to traditional Chlorinated & Brominated cleaning solvents that are designated Carcinogenic, Mutagenic or Reproductive toxins (CMR). This product is also an excellent drop in replacement to many Ozone Depleting substances.

**Solvex HD** can also offer a more cost effective alternative to other expensive Fluorinated products currently on the market.

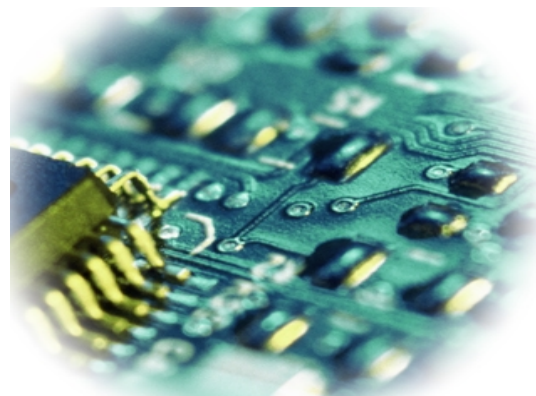
**Solvex HD** is an environmentally sensible product with zero Ozone Depletion Potential (ODP) and very low Global Warming Potential (GWP).

**Solvex HD** is operator friendly with a large margin of safety between the exposure guidelines that have been established for each of the components and exposures anticipated from intended end-use applications.

**Solvex HD** has many favourable properties that make it an excellent precision cleaning product. These include a high solvency power combined with low surface tension, non-flammability and excellent solvent stability. This makes it ideal for ultrasonic immersion and vapour degreasing applications.

**Solvex HD** is very easy to use and maintain. As the product is extremely stable it does not require monitoring for pH, Alkalinity or Acid Acceptance Values (AAV).

**Solvex HD** is compatible with metals and plastics commonly found on electronic boards and components.



### FEATURES & BENEFITS

- High Solvency Power
- Low Boiling Point
- Low Surface Residue
- Low Surface Tension
- Low Viscosity
- Non Flammable
- No Flash Point
- Zero ODP
- Low GWP
- Suitable for 'Open Top' equipment
- Available with SolveCare® Sealed Delivery System

### SOILS REMOVED

- Adhesives
- Buffing Compounds
- Drawing Oils
- Fluxes & Pastes
- Greases
- Hydraulic Oils
- Lapping Compounds
- Resins & Inks
- Silicone Oils
- Waxes

### ENVIRONMENTAL PROPERTIES

- Zero Ozone Depletion Potential (ODP)
- Low Global Warming Potential (GWP)
- Reduced Carbon Footprint





## TYPICAL PROPERTIES\*

Appearance.....	Clear & Bright
Odour.....	Slight
Solubility of Water.....	0.06% @ 20°C
Specific Gravity.....	1.245 @ 25°C
Boiling Point.....	42.5°C
Viscosity.....	0.60 cPs
Flash Point.....	N/A
Refractive Index.....	1.4105 @ 20°C
Vapour Pressure	
@ 0°C.....	267
@ 25°C.....	628
@ 50°C.....	1476

\*Typical Properties data is not intended for specification purposes.

## OTHER INFORMATION

**STORAGE:** Store in tightly closed original container in a well ventilated place. Store at ambient temperatures and out of direct sunlight.

**SHELF LIFE:** Minimum 24 months.

**PACKAGING:** 23kg can, 243kg drum, SolveCare®

## DISPOSAL / SAFETY

**DISPOSAL:** Banner Chemicals can offer disposal of used solvent at a reduced fixed rate. Please contact your Banner representative for further information. Alternatively Banner Chemicals recommends contacting your current or local environmental service company for disposal of this product.

**SAFETY:** Please consult product Safety Data Sheet for further information.

## SOLVECARE®

**A SIMPLE, SAFE SEALED DELIVERY SYSTEM  
DESIGNED FOR SAFER SOLVENT MANAGEMENT  
& HANDLING**



- **A robust, sealable UN approved drum carrier**
- **Easy connection solvent transfer system**
- **Lower solvent emissions and operator exposure**
- **Complimentary system for spent solvent**

## ENVIRONMENTAL POLICY

It is the aim of the Banner Chemicals Group to provide their customers the finest quality products and services whilst operating to the highest Health & Safety standards and minimising the impact on the Environment. This is obtained through an Integrated Management System (IMS). This system meets and where possible exceeds, the requirements of International Standards, ISO 9001:2008 (Quality), ISO 14001:2004 (Environmental) and OHSAS 18001:2007 (Health & Safety) The company is committed to preventing pollution by ensuring that its products are developed, handled, transported, used and disposed of safely and in compliance with relevant Environmental & Health & Safety Legislation, the CBA's Responsible Care Programme, Product Stewardship and Industry Codes of Practice.