



Product Information

Introduction

Thinvec 7100 is a clear, colorless and low-odor fluid intended to replace ozone-depleting substances (ODSs) and compounds with high global warming potential (GWP) in many applications. This proprietary fluid has zero ozone depletion potential and other favorable environmental properties. It has one of the best toxicological profiles of CFC replacement materials, with a time-weighted average exposure guideline of 750 ppm (eight hour average). In addition, its chemical and thermal stability, non-flammability and low toxicity make it useful for many other industrial and specialty solvent applications (see below).

Material Description

| Properties | Thinvec 7100 |
|------------|----------------------------|
| Purity | 99.5% minimum |
| Appearance | Clear, colorless |
| Packaging | 700g/bottle, 25KG/ pail |
| Shelf Life | 24 MONTHS FROM DATE OF MFG |

Typical Applications

- Cleaning and rinsing agent
 - Heavy-duty cleaning (co-solvent) – heavy oils, greases, fluxes
 - Medium-duty cleaning (azeotrope) – oils, greases, waxes
 - Light-duty cleaning (neat) – particulates, fluor lubes, light oils, fluoropolymers
- Lubricant carrier
 - Fluorocarbons, Hydrocarbons, Silicones
- Spot-free water drying agent (with surfactants added)
- Specialty solvents, dispersion medium, reaction medium
- Spray contact cleaner
- CFC, HCFC, HFC and PFC replacement
- Dielectric test media
- Heat transfer





Toxicity Profile

| Properties | Thinvec 7100 |
|---------------------------------------|--|
| Acute lethal inhalation concentration | >100,000 ppm (4 hour) |
| Oral | Practically non-toxic (>5 g/kg) |
| Eye irritation | Practically non-irritating |
| Skin irritation | Minimally irritating |
| Skin sensitization | Not a skin sensitizer |
| Mutagenicity | Negative in the three assays conducted |
| Ecotoxicity testing | Complete – very low aquatic toxicity |

Safety and Shelf Life

Thinvec 7100 is nonflammable and does not exhibit flammability characteristics under normal operating and storage conditions. This fluid is highly resistant to thermal breakdown and hydrolysis in storage and during use.

Company : Beijing Xinwei Jingchuang Technology CO.,LTD
Telephone : 010-88602710
Website : www.thinvec.com
Address : No.8 Yongchang Industrial Park, Beijing Economic Technological Development Area, Beijing, China

All statements, technical information and recommendations contained in this document are based on tests or experience that Thinvec believes are reliable. However, many factors beyond our control can affect the use and performance of a product in a particular application, including conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for the user's method of application.