

<p><b>Dagangan</b> : PENTANE 1, 1, 1, 2, 2, 3, 4, 5, 5, 5-DECAFLUORO</p> <p>Nama Perdagangan : Vertrel XF-UP 2, 3-Dihydroperfluoropentane (Pentane 1, 1, 1, 2, 2, 3, 4, 5, 5, 5-decafluoro)</p> <p>Jenama : Dupont Model : HFC-43-10MEE</p>	<p><b>Kod Tarif (Perintah Duti Kastam 2012) :</b> 2903.39 900</p> <p><b>Tarikh Kelulusan</b> : 10 Januari 2017</p>
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**Keterangan barangan :**

Barangan dikenali sebagai VERTREL-XF-UP merupakan cecair jernih tidak berwarna.

Barangan di import dalam drum dengan muatan 300kg.

Maklumat mengenai komposisi barangan dalam *Lembaran Data Keselamatan (MSDS)* adalah seperti berikut:

**LEMBARAN DATA KESELAMATAN**



**DuPont™ VERTREL® XF-UP Specialty Fluid**

Versi 2.2

Tarikh Semakan 27.05.2014

Ruj. 130000051514

SDS ini adalah mengikut piawai kerajaan Malaysia yang mungkin tidak menepati piawai di negara-negara lain.

**BAHAGIAN 1: PENGENALPASTIAN PRODUK KIMIA DAN SYARIKAT**

**Maklumat produk**

Nama perniagaan : DuPont™ VERTREL® XF-UP Specialty Fluid

Kegunaan : Agen pencuci  
Bahan/Penyediaan

Syarikat : Du Pont Malaysia Sdn Bhd  
Level 7, Menara CIMB, No 1, Jalan Stesen Sentral 2, Kuala Lumpur Sentral,  
50470 Kuala Lumpur  
Malaysia

Telefon : +60 3 2859 0700  
Faks : +60 3 2859-0840  
Nombor telefon kecemasan : 1800-82-0055

**BAHAGIAN 2: KOMPOSISI / MAKLUMAT BAHAN**

**Komponen**

Nama Kimia	No.-CAS	Kepekatan
Reaction mass of (3R,4R)-1,1,1,2,2,3,4,5,5,5-decafluoropentane and (3S,4S)-1,1,1,2,2,3,4,5,5,5-decafluoropentane	136495-42-8	>=99%

#### BAHAGIAN 9: SIFAT-SIFAT FIZIKAL DAN KIMIA

Bentuk	: cecair
Warna	: tanpa warna
Bau	: sedikit , macam eter
pH	: neutral
Julat lebur/takat	: ca. -84.0 °C
Takat kilat	: , Cara: ASTM D 56 tidak mengilat
Had bawah ledakan	: tidak berkenaan
Had atas ledakan	: tidak berkenaan
Tekanan wap	: 248 hPa (20 °C) 313 hPa (25 °C) 854 hPa (50 °C)
Ketumpatan	: 1.60 g/cm <sup>3</sup> (20 °C) 1.58 g/cm <sup>3</sup> (25 °C)
Keterlarutan air	: ca. 0.10 - 0.14 g/l (20 °C)

Fungsi barangan sebagai agen pencuci.

Analisis pakar mengesahkan barangan berupa cecair jernih tidak berwarna. Barangan ini sesuai dengan *2, 3dihydroperfluoropentane*. Kandungan utama barangan adalah Decafluoropentane sebanyak 99%. Decafluoropentane mempunyai formula *Pentane 1,1,1,2,2,3,4,5,5,5-decafluoro* adalah sejenis *acyclic fluorinated hydrocarbon* merupakan satu organic chemical.

#### Ketetapan:

Ketua Pengarah Kastam Malaysia memutuskan barangan ini sesuai diperjeniskan di bawah kod tarif **2903.39 900** sebagai ***other fluorinated derivatives of acyclic hydrocarbons*** sebagai berdasarkan alasan-alasan berikut:

Analisis pakar mengesahkan barangan adalah *2, 3dihydroperfluoropentane*.

Barangan merupakan *single chemically defined compound* berdasarkan *purity 99%* dan diliputi di bawah *Chapter Notes 1(a) -(h)to Chapter 29*.

## Chapter 29

## Organic chemicals

## Notes.

1. Except where the context otherwise requires, the headings of this Chapter apply only to :

- (a) Separate chemically defined organic compounds, whether or not containing impurities;
- (b) Mixtures of two or more isomers of the same organic compound (whether or not containing impurities), except mixtures of acyclic hydrocarbon isomers (other than stereoisomers), whether or not saturated (Chapter 27);
- (c) The products of headings 29.36 to 29.39 or the sugar ethers, sugar acetals and sugar esters, and their salts, of heading 29.40, or the products of heading 29.41. whether or not chemically defined;
- (d) The products mentioned in (a), (b) or (c) above dissolved in water;
- (e) The products mentioned in (a), (b) or (c) above dissolved in other solvents provided that the solution constitutes a normal and necessary method of putting up these products adopted solely for reasons of safety or for transport and that the solvent does not render the product particularly suitable for specific use rather than for general use;
- (f) The products mentioned in (a), (b), (c), (d) or (e) above with an added stabiliser (including an anti-caking agent) necessary for their preservation or transport;
- (g) The products mentioned in (a), (b), (c), (d), (e) or (f) above with an added anti-dusting agent or a colouring or odoriferous substance added to facilitate their identification or for safety reasons, provided that the additions do not render the product particularly suitable for specific use rather than for general use;
- (h) The following products, diluted to standard strengths, for the production of azo dyes ; diazonium salts, couplers used for these salts and diazotisable amines and their salts.

Barangan adalah **acyclic fluorinated hydrocarbons** dan mendapat liputan di bawah subheading 2903.39 dalam EN HS 2012 muka surat VI-2903-3 seperti berikut:

### 29.03 - Halogenated derivatives of hydrocarbons.

- Fluorinated, brominated or iodinated derivatives of acyclic hydrocarbons :

2903.31 -- Ethylene dibromide (ISO) (1,2-dibromoethane)

2903.39 -- Other