

## **Notice No.53**

### **DENATURED ALCOHOL REGULATIONS 2005**

The Denatured Alcohol Regulations 2005 SI 1524 came into force on 1<sup>st</sup> July 2005. They replaced the Methylated Spirits Regulations 1987 and repealed the Isopropyl Alcohol Regulations 1927.

There are three approved classes of denatured alcohol in the UK. The major change is in the names of the various formulations. It should be noted that the composition of the various formulations have not changed.

#### **1. Completely Denatured Alcohol (CDA)**

This was formerly known as Mineralised Methylated Spirits (MMS)

#### **2. Industrial Denatured Alcohols (IDA)**

This was formerly known as Industrial Methylated Spirits (IMS)

#### **3. Trade specific Denatured Alcohols (TSDA)**

Included in this class is the old Denatured Ethanol B (DEB)

Users do not need to be authorised to receive and use CDA but they must apply to the HM Revenue & Customs National Registration Unit for authorisation to receive and use IDA or TSDA. The authorisation will state:

- what they are entitled to receive
- what they can use it for; and
- the conditions they must observe

For further information please see **HMRC Notice 473 (July 2005): Production, distribution and use of denatured alcohol**, which is available from the HM Revenue & Customs website.

[www.hmrc.gov.uk](http://www.hmrc.gov.uk)

#### Disclaimer

This information is to the best of the Solvents Industry Association's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use

The following table lists the formulations of, and uses for, trade specific denatured ethanol which have been approved by the Commissioners of Customs and Excise.

No.	TSDA FORMULATION (per litre of pure alcohol)	Approved Use
1	Tertiary Butyl Alcohol - 0.1% vol  Denatonium benzoate is added to the resulting mixture in the proportion of 10 micrograms per millilitre	1. Manufacture of skin preparations (perfumes, toiletries, cosmetics and external medical applications such as medicated creams and ointments). 2. Printing ink. 3. Biocide reagent.
2	Cyclohexane - 2.0% vol Isopropanol - 0.1% vol	1. Printing inks (particularly for use on food wrappers). 2. Coatings.
3	Ethyl Acetate - 2.0% vol Isopropanol - 0.1% vol	1. Printing inks (particularly for use on food wrappers). 2. Coatings.
4	Methanol - 2.0% vol Hexane - 0.5% vol	Rocket fuel propellants.
5	Benzyl benzoate - 5.0% vol	Perfumes/toiletries.
6	Isopropanol - 2.0% vol  Denatonium benzoate is added to the resulting mixture in the proportion of 10 micrograms per millilitre.	1. Kitchen hard surface cleaners. 2. Washing-up liquid.
7	Isopropanol - 5.0% vol	1. Car screenwash. 2. Disinfectants specifically for sterile environments eg. places where pharmaceutical products are produced*
8	Methylethylketone - 1.0% vol (consisting of 95 to 96% by weight of Methylethylketone, 2.5 to 3% by weight methylisopropylketone and 1.5 to 2% by weight of ethylisoamylketone) Denatonium benzoate is added to the resulting mixture in the proportion of 10 micrograms per millilitre.	Car screenwash.

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<b>9</b>	Methanol - 1.0% vol  Denatonium benzoate is added to the resulting mixture in the proportion of 10 micrograms per millilitre.	Bio-ethanol – used as a road fuel.
<b>10</b>	Isopropanol – 5% vol Tertiary Butyl Alcohol - 0.07% vol	Manufacture of hairstyling products
<b>11</b>	Unleaded petrol with a Research Octane Number (RON) greater than 91 – 1% vol	Bioethanol – used as a road fuel

\*Note. This TSDA may not be used for the manufacture of more general household disinfectants.

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