



Biosolve Products are distributed by:

**Greyhound Chromatography and Allied Chemicals**


6 Kelvin Park, Birkenhead, Merseyside CH41 1LT  
United Kingdom

Tel: (+44) 0 151 649 4000 Fax: (+44) 0 151 649 4001

Email: [sales@greyhoundchrom.com](mailto:sales@greyhoundchrom.com)

[www.greyhoundchrom.com](http://www.greyhoundchrom.com)

# HEAD SPACE




Analyzed by GC-Headspace  
technique for the analysis  
of OVI's



# Headspace solvents

We now offer a range of high boiling solvents, specifically developed and analyzed by GC-Headspace technique for the analysis of OVI. Every single batch is tested by both polar and non-polar GC columns, displays a high purity assay and shows virtually no background in the volatile impurities range.



Analysis of volatile organic impurities using GC Headspace techniques has become a major control procedure in pharmaceutical and food related industries. The International Conference of Harmonisation (ICH) has issued recommendations concerning the safe levels of over 60 residual solvents in pharmaceutical compounds.

These solvents are divided into 3 classes according to their toxicity. Headspace samples are normally mixed with a solvent and a matrix modifier.

The quality of the solvents (the Headspace solvent) used to dissolve the sample is of prime importance. It must display very high purity and show virtually no background due to volatile impurities with both polar and non-polar GC capillary columns.

## **The Headspace line includes the following products:**

Dimethyl Sulfoxide, Dimethyl Formamide, Dimethyl Acetamide, 1,3-Dimethyl-2-Imidazolidinone, Cyclohexanone, N-Methyl Pyrrolidone

**All Headspace products are micro filtered, packed under inert gas in amber glass bottles, and available in pack sizes of:**

**0.5L**

**1L**

**2.5L**



## Dimethylsulfoxide

### Specifications

044775

Appearance	Clear colorless liquid
Assay (GC, on anhydrous basis)	99.99-100 %
Refractive index (20°C)	1.477-1.480
Water (KF)	0-0.04 %
UV cutoff wavelength	190-265 nm
T268nm	30-100 %
T275nm	60-100 %
T300nm	85-100 %
T350nm	95-100 %
T400nm	98-100 %
Headspace test for O.V.I.	Passes test

## N,N-Dimethylformamide

### Specifications

041975

Appearance	Clear liquid
Assay (GC, on anhydrous basis)	99.99-100 %
Refractive index (20°C)	1.429-1.431
Water (KF)	0-0.03 %
UV cutoff wavelength	190-269 nm
T270nm	20-100 %
T275nm	55-100 %
T300nm	85-100 %
T320nm	95-100 %
Headspace test for O.V.I.	Passes test

## N,N-Dimethylacetamide

### Specifications

042075

Appearance	Clear colorless liquid
Assay (GC, on anhydrous basis)	99.99-100 %
Refractive index (20°C)	1.436-1.438
Acidity (as Acetic acid)	0-0.005 %
Water (KF)	0-0.03 %
UV cutoff wavelength	190-268 nm
T268nm	10-100 %
T275nm	55-100 %
T300nm	85-100 %
T350nm	98-100 %
T400nm	99-100 %
Headspace test for O.V.I.	Passes test

## 1,3-Dimethyl-2-Imidazolidinone

### Specifications

090775

Appearance	Clear liquid
Assay (GC, on anhydrous basis)	99.5-100 %
Refractive index (20°C)	1.470-1.473
Water (KF)	0-0.04 %
UV cutoff wavelength	190-270 nm
T275nm	30-100 %
T300nm	60-100 %
T325nm	80-100 %
T>350nm	90-100 %
Headspace test for O.V.I.	Passes test

## Cyclohexanone

### Specifications

033775

Appearance	Clear liquid
Color (APHA)	0-10
Assay (GC, on anhydrous basis)	99.95-100 %
Refractive index (20°C)	1.445-1.455
Water (KF)	0-0.05 %
UV cutoff wavelength	190-339 nm
T345nm	55-100 %
T350nm	80-100 %
T380nm	97-100 %
Headspace test for O.V.I.	Passes test

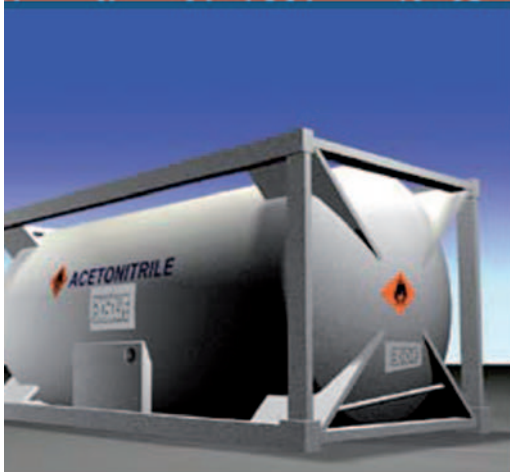
## N-Methyl-2-Pyrrolidone

### Specifications

135675

Appearance	Clear colorless liquid
Assay (GC, on anhydrous basis)	99.9-100 %
Refractive index (20°C)	1.469-1.471
Water (KF)	0-0.1 %
UV cutoff wavelength	190-269 nm
T285nm	30-100 %
T300nm	55-100 %
T320nm	78-100 %
T>350nm	97-100 %
Headspace test for O.V.I.	Passes test





### Our productlines:

- Chromatography: HPLC, LC-MS, ULC/MS
- HeadSpace for OVI analysis
- Solvents for Environmental analysis
- DNA & RNA reagents, amidites and modifiers
- Fully synthetic lipids
- Supra dry & Extra dry solvents
- Peptide synthesis
- Molecular Biology & Transfection kits
- Analytical & Chemically pure products
- Custom Synthesis



**BIOSOLVE PRODUCTS ARE DISTRIBUTED BY**  
**Greyhound Chromatography and Allied Chemicals**  
 6 Kelvin Park, Birkenhead, Merseyside CH41 1LT United Kingdom  
 Tel: (+44) 0 151 649 4000 Fax: (+44) 0 151 649 4001  
 Email: [sales@greyhoundchrom.com](mailto:sales@greyhoundchrom.com)  
[www.greyhoundchrom.com](http://www.greyhoundchrom.com)