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Tutorials Spire.XLS Program Guide Cells

Spire.Doc

Spire.DocViewer

Spire.XLS

Program Guide for .NET

Conversion

Data Import/Export

Worksheet

Security

Link

Document Operation

Comment

Chart

Cells

Set Cell Fill in Excel

Add Excel Borders

Insert Interior in Excel

Merge Cells in Excel

# Delete Blank Rows and Columns in Excel in C#

This article demonstrates how to delete blank rows and columns in an Excel worksheet using Spire.XLS and C#.

Example Excel file:

	A	B	C	D	E	F
1	Part No	Vendor No		Description	On hands	On Order
2	900	3501		Dive kayak	24	16
3	912	3501		Underwater Diver Vehicle	5	3
4	1313	3501		Regulator System	165	216
5						
6						
7	1314	3501		Second Stage Regulator	98	88
8	1316	3501		Regulator System	75	70
9	1320	3501		Second Stage Regulator	37	35
10	1328	3501		Regulator System	166	100
11	1330	3501		Alternate Inflation Regulator	47	43
12	1364	3502		Second Stage Regulator	128	135
13	1390	3502		First Stage Regulator	146	140
14	1946	3502		Second Stage Regulator	13	10
15	1986	3502		Depth/Pressure Gauge Console	25	24
16	2314	3502		Electronic Console	13	12
17	2341	3502		Depth/Pressure Gauge	226	225
18	2343	3502		Personal Dive Sonar	46	45
19	2350	3502		Compass Console Mount	211	300

Detail steps:

Step 1: Instantiate a Workbook object and load the Excel file.

```
1 Workbook workbook = new Workbook();
```

Set Excel Background  
Color

---

Merge Excel Cells

---

Insert Excel Row or Rows

---

Freeze Excel Panes

---

Create Excel Dropdown  
List

---

Hide Excel Row and  
Column

---

Delete Excel Rows and  
Columns

---

Unmerge Excel Cells

---

Unfreeze Excel Panes

---

Copy Formatting from  
One Cell or Range to  
Another

---

Set Excel Row Height  
and Column Width

---

Set Number Format in  
Excel

---

Duplicate a Row in Excel

---

AutoFit Column Widths  
and Row Heights in  
Excel

---

```
2 | workbook.LoadFromFile("Sample.xlsx");
```

Step 2: Get the first worksheet.

```
1 | Worksheet sheet = workbook.Worksheets[0];
```

Step 3: Delete blank rows from the worksheet.

```
1 | for (int i = sheet.Rows.Count() - 1; i >= 0; i--)  
2 | {  
3 |     if (sheet.Rows[i].IsBlank)  
4 |     {  
5 |         sheet.DeleteRow(i+1);  
6 |     }  
7 | }
```

Step 4: Delete blank columns from the worksheet.

```
1 | for (int j = sheet.Columns.Count() - 1; j >= 0; j--)  
2 | {  
3 |     if (sheet.Columns[j].IsBlank)  
4 |     {  
5 |         sheet.DeleteColumn(j+1);  
6 |     }  
7 | }
```

Step 5: Save the file.

```
1 | workbook.SaveToFile("DeleteBlankRowsAndColumns.xlsx", ExcelVersion.Version2013);
```

Output:

Detect merged cells in a worksheet

Apply Multiple Fonts in a Single Cell in C#, VB.NET

Get the intersection of two ranges in Excel

Hide the content on Cell by setting the number format

Remove the value and format from Excel Cell range

Hide or Show Row Column Headers in Excel with C#

Delete Blank Rows and Columns in Excel in C#

Read Rich Text from an Excel Cell in C#, VB.NET

Shrink Text to Fit in a Cell in Excel in C#

Get Cell Type in Excel in C#

Data

Image

Formula

	A	B	C	D	E
1	Part No	Vendor No	Description	On hands	On Order
2	900	3501	Dive kayak	24	16
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15	2341	3502	Depth/Pressure Gauge	226	225
16	2343	3502	Personal Dive Sonar	46	45
17	2350	3502	Compass Console Mount	211	300
18					

Full code:

```

01 using System;
02 using System.Collections.Generic;
03 using System.Linq;
04 using System.Text;
05 using Spire.Xls;
06
07 namespace Delete_Blank_Rows_and_Columns_in_Excel
08 {
09     class Program
10     {
11         static void Main(string[] args)
12         {
13             //Instantiate a Workbook object
14             Workbook workbook = new Workbook();
15             //Load the Excel file

```

Header and Footer

Print

Objects

Conditional Formatting

Pivot Table

Smart Marker

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Program Guide for WPF

Demos

Getting Started

OpenXML

VSTO

NPOI

Spire.Spreadsheet

Spire.Presentation

Spire.PDF

Spire.PDFViewer

Spire.PDFConverter

Spire.DataExport

Spire.Barcode

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```
workbook.LoadFromFile("Sample.xlsx");

//Get the first worksheet
Worksheet sheet = workbook.Worksheets[0];

//Delete blanks rows
for (int i = sheet.Rows.Count() - 1; i >= 0; i--)
{
    if (sheet.Rows[i].IsBlank)
    {
        sheet.DeleteRow(i+1); //Index parameter in DeleteRow method starts from 1
    }
}

//Delete blank columns
for (int j = sheet.Columns.Count() - 1; j >= 0; j--)
{
    if (sheet.Columns[j].IsBlank)
    {
        sheet.DeleteColumn(j+1); //Index parameter in DeleteColumn method starts from 1
    }
}

//Save the file
workbook.SaveToFile("DeleteBlankRowsAndColumns.xlsx", ExcelVersion.Version2013);
}
```

Spire.Email
Java
Utilize Spire in SQL CLR
Licensing
Purchase
Benchmark
API Reference



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