

Solvent Information - The Facts

SwanTek "GreenKlene" Bio Solvents are a unique range of safer cleaners, specially developed as alternatives to the harmful and hazardous chemicals used throughout industry. The list below highlights the problems associated with traditional cleaners and emphasises the benefits found in SwanTek's new generation GreenKlene Bio Solvents.

1) Acetone:

Labelling-



Risk & Safety Phrases-

R11: Highly Flammable
R36: Irritating to Eyes
R66: Repeated Exposure May Cause Skin Dryness and Cracking
R67: Vapours May Cause Drowsiness and Dizziness
S9: Keep Container in Well Ventilated Place
S16: Keep Away From Sources of Ignition-No Smoking
S26: In Case of Contact with Eyes, Rinse Immediately and Seek Medical Advice

Other Information-

Considered Extremely Flammable
Rapidly Evaporates into the Atmosphere

2) Methanol:

Labelling-



Risk & Safety Phrases-

R11: Highly Flammable
R23/24/25: Toxic by Inhalation, in Contact With Skin and if Swallowed
R39/23/24/25: Toxic: Danger of Very Serious Irreversible Effects Through Inhalation, Contact With Skin and if Swallowed
S7: Keep Container tightly Closed
S16: Keep Away From Sources of Ignition- No Smoking
S36/37: Wear Suitable Protective Clothing and Gloves
S45: In Case of Accident or if you Feel Unwell, Seek Medical Advice Immediately

Other Information-

May Harm Unborn Children
Breathing High Levels for Long Periods of Time May Cause Brain Damage

3) Methylene Chloride:

Labelling-



Risk & Safety Phrases-

R40: Limited Evidence of Carcinogenic Effect
S24/25: Avoid Contact with Skin and Eyes
S23: Do not Breathe Fumes
S36/37: Wear Suitable Protective Clothing and Gloves

Other Information-

Can Cause Blood Disease
Evidence Links it to Liver and Kidney Damage

4) Methyl Ethyl Ketone:

Labelling-



Risk & Safety Phrases-

R11: Highly Flammable
R36: Irritating to eyes
R66: Repeated Exposure May Cause Skin Dryness and Cracking
R67: Vapours May Cause Drowsiness and Dizziness
S9: Keep Container in a Well Ventilated Place
S16: Keep Away From Sources of Ignition- No Smoking

Other Information-

Extremely Flammable

5) N-Methyl Pyrrolidone:

Labelling-



Risk & Safety Phrases-

R36/38: Irritating to Eyes and Skin
S41: In Case of Fire and/or Explosion Don't Breathe in Fumes

Other Information-

Can Cause Chronic, Irreversible Health Problems
Can Harm Unborn Children

6) Toluene:

Labelling-



Risk & Safety Phrases-

R11: Highly Flammable
R20: Harmful by Inhalation

S16: Keep Away From Sources of Ignition- No Smoking
S25: Avoid Contact with Eyes
S29: Do Not Empty in to Drains
S33: Take Precautionary Measures Against Static Discharges

Other Information-

May Cause Drowsiness, Dizziness and Headaches
May Harm Unborn Children

7) Trichloroethylene:

Labelling-

Risk & Safety Phrases-

R45: May Cause Cancer
R36/38: Irritating to Eyes and Skin
R52/53: Harmful to Aquatic Organisms, May Cause Long-term Adverse Effects in the Aquatic Environment
R67: Vapours May Cause Drowsiness and Dizziness
R68: Possible Risk of Irreversible Effects



Other Information-

Class II Carcinogen

*** All of the above contain high or very high levels of VOCs (see below for more information)**

SwanTek GreenKlene Brands:

Remov-it Bio/BioSolv/Print-Solv Bio

Not Regulated Under CHIP 3 Legislation
No Associated Risk & Safety Phrases
Totally Safe to Both the Environment and the User
Contain no VOCs

***VOC's:**

Volatile Organic Compounds are found in harmful solvents and cleaners, such as those listed above. When you fill your car with petrol you may notice a vapour that is emitted into the atmosphere - this is VOC. The same happens when organic solvents are used, with harmful VOCs evaporating into the environment.

In recent years the damaging effect VOCs have on the environment, in particular greenhouse gases, has been made clearer, and companies are making it a priority to look for less harmful products. SwanTek Chief Chemist Dr John Telford said he would like to see the escape of VOCs "limited or eliminated as soon as possible".

Our revolutionary new GreenKlene brands, **Remov-it Bio**, **Print-Solv Bio** and **BioSolv** are not considered to be VOCs in accordance with European Directive 1999/13/EC 2(17), making them much more environmentally friendly and a better, safer choice for the planet.

I hope this information has been of value to you and enabled you to see that the steps you have taken by considering a safer cleaner are truly to the benefit of your workforce and the environment.

Steve King, GreenKlene Brand Manager