## Section 1: Identification of the mixture and of the company

**1.1 Product identifier:**
Product name: Cleaning Wash
UFI: 6862-80EC-C006-9GF3

**1.2 Relevant identified uses of the substance or mixture and uses advised against:**
No further relevant information available.
Application of the substance / the mixture Gun cleaner, Cleaning solvent, Primer thinner
Uses advised against Not for sale/use by public.
Industrial uses only.

**1.3 Details of the Supplier of the Safety Data Sheet:**
Supplier: Obex Protection Ltd
Unit 12,
Horn Hill Road,
Nunnery Park
Nunnery Way
Worcester
WR4 0SX
Tel (including for emergencies): 01905 337800
(Mon-Fri 7am-5pm)
Fax: 01905 337186
Email: sales@obexuk.com

## Section 2: Hazards identification

**2.1 Classification of the substance or mixture**
Classification according to Regulation (EC) No 1272/2008

**GHS02 flame**
Flam. Liq. 2 H225 Highly flammable liquid and vapour.

**GHS08 health hazard**
Repr. 2 H361d Suspected of damaging the unborn child.
STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

**GHS09 environment**
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

**GHS07**
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

**2.2 Label elements:**
Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.

**Hazard Pictograms:**

**Signal word** **Danger**

Hazard-determining components of labelling:

**Toluene**
REACH Reg No. 01-2119471310-51-XXXX
**butan-1-ol**
REACH Reg.No. 01-2119484630-38
**Xylene, mixture of isomers**
REACH Reg. No. 01-2119488216-32
**2-propanone**
REACH Reg No. 01-2119471330-49-XXXX

**Hazard statements**
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H361d Suspected of damaging the unborn child.

H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.
H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 Take precautionary measures against static discharge.
P280 Wear protective gloves/protective clothing/ eye protection/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P321 Specific treatment (see on this label).
P331 Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362+P364 Take off contaminated clothing and wash it before reuse.
P403+P235 Store in a well-ventilated place. Keep cool.

**Additional information:**
EUH066 Repeated exposure may cause skin dryness or cracking.

### 2.3 Other hazards

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

## Section 3: Composition/information on ingredients

### 3.2 Chemical characterisation:

**Mixtures**
**Description:** Mixture of substances listed below with nonhazardous additions.

**Dangerous components:**

| **Toluene** | 25-50% |
|---|---|
| CAS number: 115-10-6<br>EINECS: 204-065-8 | REACH registration number:<br>01-2119471310-51-XXXX |
| Classification | |
| Flam.Liq. 2<br>Repr. 2<br>STOT RE 2<br>Asp. Tox. 1<br>Skin Irrit. 2<br>STOT SE 3 | H225<br>H361d<br>H373<br>H304<br>H315<br>H336 |

| **2-propanone** | 25-50% |
|---|---|
| CAS number: 67-64-1<br>EINECS: 200-662-2 | REACH registration number:<br>01-2119471330-49-XXXX |
| Classification | |
| Flam.Liq. 2<br>Eye Irrit. 2<br>STOT SE 3 | H225<br>H319<br>H336 |

| **Xylene, mixture of isomers** | ≤10% |
|---|---|
| CAS number: 1330-20-7<br>EINECS: 215-535-7 | REACH registration number:<br>01-2119488216-32 |
| Classification | |
| Flam. Liq. 3<br>STOT RE 2<br>Asp. Tox. 1<br>Acute Tox. 4<br>Acute Tox. 4<br>Skin Irrit. 2<br>Eye Irrit. 3<br>STOT SE 3 | H226<br>H373<br>H304<br>H312<br>H332<br>H315<br>H319<br>H335 |

| | |
|---|---|
| **Ethyl Acetate** | ≤10% |
| CAS number: 141-78-6<br>EINECS: 205-500-4 | REACH registration number:<br>01-2119475103-46-XXXX |
| **Classification** | |
| Flam.Liq. 2<br>Eye Irrit. 2<br>STOT SE 3 | H225<br>H319<br>H336 |
| **methyl acatate** | ≤10% |
| CAS number: 79-20-9<br>EINECS: 201-185-2 | |
| Classification | |
| Flam.Liq. 2<br>Eye Irrit. 2<br>STOT SE 3 | H225<br>H319<br>H336 |
| **heptane** | ≤10% |
| CAS number: 142-82-5<br>EINECS: 205-563-8 | |
| Classification | |
| Flam. Liq. 2<br>Asp. Tox. 1<br>Aquatic Acute 1<br>Aquatic Chronic 1<br>Skin Irrit. 2<br>STOT SE 3 | H225<br>H304<br>H400<br>H410<br>H315<br>H336 |
| **butan-1-ol** | ≤10% |
| CAS number: 71-36-3<br>EINECS: 200-751-6 | REACH registration number:<br>01-2119484630-38 |
| Classification | |
| Flam. Liq. 3<br>Eye Dam. 1<br>Acute Tox. 1<br>Skin Irrit. 2<br>STOT SE 3 | H226<br>H318<br>H302<br>H315<br>H336-H336 |
| **n-hexane** | ≤10% |
| CAS number: 110-54-3<br>EINECS: 203-777-6 | REACH registration number:<br>01-2119484630-38 |
| Classification | |
| Flam. Liq. 2<br>Repr. 2<br>STOT SE 2<br>Asp. Tox. 1<br>Aquatic Chronic 1<br>Skin Irrit. 2<br>STOT SE 3 | H225<br>H361f<br>H373<br>H304<br>H411<br>H315<br>H336 |

**SVHC**
No substance within this mixture is listed as an SVHC at the date this document was created.
It is advised to periodically check to see if any component has been put forward as a SVHC. This can be check ed on ECHA website - Candidate List of substances of very high concern. Additional information: For the wording of the listed hazard phrases refer to section 16.

## Section 4: First-aid measures

### 4.1 Description of first-aid measures

**General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the incident.

**After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
Seek immediate medical advice.

**After skin contact:**
Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Dispose of contaminated clothing as hazardous waste. Observe precautions. Repeated skin contact may result in irritation and dermatitis. Always wear protective gloves suitable for this product.

**After eye contact:**
Rinse opened eye for at least 15 minutes under clean running water. Remove contact lenses if possible. Seek immediate medical advice.
Continue to irrigate the eye with clean water.
Seek immediate medical advice.

**After swallowing:**
Do NOT induce vomiting; rinse mouth with water, call for medical help immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

Headache
Dizziness
Nausea
Information for doctor:
Risk of lung aspiration due to low viscosity of product.
If vomitting occurs, the head should be kept low so that vomit does not enter the lungs.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

## Section 5: Firefighting measures

**5.1 Extinguishing media:**

**Suitable extinguishing agents:**

CO2, powder or water spray. Fight larger fires with aqueous film forming foam (AFFF). Cool containers with water spray.
For safety reasons unsuitable extinguishing agents: Water with full jet

**5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

**5.3 Advice for firefighters**

**Protective equipment:** Wear self-contained respiratory protective device.

**Additional information**

Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

## Section 6: Accidental release measure

**6.1 Personal precautions, protective equipment and emergency procedures**

**Personal precautions:**

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation
Keep people at a distance and stay on the windward side.
Keep away from ignition sources.
Wear protective clothing.

**6.2 Environmental precautions**

Inform respective authorities in case of seepage into water course or sewage system.
In case of seepage into the ground inform responsible authorities. Do not allow to enter sewers/ surface or ground water.

**6.3 Methods and material for containment and cleaning up**

**Methods for cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
Send for recovery or disposal in suitable receptacles - may need to be UN approved.
Urgent consideration should be given to blanketing spillage with AFFF Foam Spray to seal from sources of ignition as a precautionary measure.

**6.4 Reference to other sections**

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

## Section 7: Handling and storage

**7.1 Precautions for safe handling**

**Usage precautions:**

Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Take note of emission threshold.
Use only in well ventilated areas.
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

**Information about fire - and explosion protection:**
Keep ignition sources away - no naked sparks/ flames/fires. Ensure electrical equipment is protected to correct
Zone rating (DSEAR Assessed)
Protect against electrostatic charges. Where required - ensure bonding and earthing of containers and
process equipment.
Static generation and accumulation may be increased when using fine filters,strainers,mixing with powders and immiscible liquids, high energy/ speed mixers. Take extra precautions. Allow static relaxation time for charges to dissipate before next steps. Do not splash fill.
Refer to IEC/TS 60079-32-1: Electrostatic hazards, guidance.
Refer to NFPA 77: Recommended Prcatices on Static Electricity
Do not spray onto a naked flame, hot surfaces, electrical switchgear, live/battery connected electrics, or near
to any potential sources of ignition.
Flammable gas-air mixtures may form in empty receptacles.
Wear shoes with conductive soles.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage:** Requirements to be met by storerooms and receptacles: Store in a cool location.
Provide solvent resistant, sealed floor.
Prevent any seepage into the ground.
Provide ventilation for receptacles.
Use only receptacles specifically permitted for this substance/product. Unsuitable material for receptacle: aluminium.
Unsuitable materials for packaging: Plastics, unless static protected. Store in area marked with EX signs under Dangerous Substances and Explosive Atmosphere Regs.
Follow HSE guidance for storage of flammable substances.
Flameproof/explosion proof electrical equipment must be used (ATEX Regulations)
Only store in suitable bunded storage areas. Do not store plastic IBC's with metal drums of other flammable substances.

**Information about storage in one common storage facility:**
Do not store together with alkalis (caustic solutions).
Store away from oxidising agents.
Further information about storage conditions:
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Store receptacle in a well ventilated area.
Store in a cool place.

You are recommended to refer to HSE publications HSG51 - The Storage of Flammable Liquids in Containers; and HSG140 - The Safe Use and Handling of Flammable Liquids, for more detailed understanding of the practices to be adhered to.
Composite plastic IBC's risk sudden and total loss of product in event of fire. Ensure bunded areas are adequate.
Ideally, do not store composite plastic IBC's with other packaged flammable goods.

### 7.3 Specific end use(s)

No further relevant information available.

## Section 8: Exposure control and personal protection

Exposure controls/personal protection
Additional information about design of technical facilities: No further data; see item 7.

### 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

| | |
|---|---|
| **108-88-3 Toluene**<br>**REACH Reg No. 01-2119471310-51-XXXX** | |
| WEL | Short-term value: 384 mg/m³, 100 ppm<br>Long-term value: 191 mg/m³, 50 ppm Sk |
| **67-64-1 2-propanone**<br>**REACH Reg No. 01-2119471330-49-XXXX** | |
| WEL | Short-term value: 3620 mg/m³, 1500 ppm<br>Long-term value: 1210 mg/m³, 500 ppm |

| | |
|---|---|
| **1330-20-7 Xylene, mixture of isomers**<br>**REACH Reg. No. 01-2119488216-32** | |
| WEL | Short-term value: 441 mg/m³, 100 ppm<br>Long-term value: 220 mg/m³, 50 ppm Sk; BMGV |
| **141-78-6 Ethyl Acetate**<br>**REACH Reg No. 01-2119475103-46-XXXX** | |
| WEL | Short-term value: 400 ppm<br>Long-term value: 200 ppm |
| **79-20-9 methyl acetate** | |
| WEL | Short-term value: 770 mg/m³, 250 ppm<br>Long-term value: 616 mg/m³, 200 ppm |
| **142-82-5 heptane** | |
| WEL | Long-term value: 500 ppm |
| **71-36-3 butan-1-ol**<br>**REACH Reg.No. 01-2119484630-38** | |
| WEL | Short-term value: 154 mg/m³, 50 ppm Sk |
| **110-54-3 n-hexane** | |
| WEL | Long-term value: 72 mg/m³, 20 ppm |

Additional information: The lists valid during the making were used as basis.

**8.2 Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Avoid alcohol consumption while working with the product.

**Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Recommended filter device for short term use:**

Filter AX

Solvent resistant gloves. Use gloves approved to BS EN 374 : Protective Gloves against Chemicals. Chemical Resistant Gloves, class 4 or higher for prolonged exposure. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Durability and suitability of glove material is usage dependent. We recommend advice from an experienced glove supplier.
Alway wear gloves with clean hands.
Contaminated gloves should always be replaced.

**Material of gloves**

Fluorocarbon rubber (Viton)
PVA gloves
Butyl rubber, BR
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed. Ideally a breakthrough time of >480 minutes is recommended, but >240 minutes should be viewed as minimum for continuous contact.

**Eye protection:**

Tightly sealed goggles or equivalent eyewear.
Approved to EN166 Standard.

**Body protection:**

Protective work clothing, ideally with anti-static properties - especially if a DSEAR risk assessement warrants this type of clothing.

**Risk management measures**
Carry out risk assessment under Dangerous Substances and Explosive Atmospheres Regulations (DSEAR), COSHH.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| |
|---|
| **Appearance** |
| Coloured liquid |
| **Colour** |
| Water white to light straw. May darken with age. |
| **Odour** |
| Characteristic |
| **Melting point/freezing point** |
| Undetermined |
| **Initial boiling point and boiling range** |
| 55 °C |
| **Flash point** |
| -19 °C |
| **Ignition temperature** |
| 215 °C |
| **Auto-ignition temperature** |
| Product is not selfigniting |
| **Explosive properties** |
| Product is not explosive. However, formation of explosive air/ vapour mixtures are possible. |
| **Explosion limits** |
| Lower: 1.1 Vol % Upper: 16.0 Vol % |
| **Vapour pressure at 20 °C** |
| 233 hPa |
| **Density at 20 °C** |
| 0.820 - 0.860 g/cms |
| **Solubility in / Miscibility with water** |
| Partly miscible |
| **Organic solvents** |
| 100.0 % (Excl water) |
| **Water** |
| up to 3% |
| **VOC (EC)** |
| 100.00 % |

**9.2 Other information:**
No further relevant information required.

## Section 10: Stability and reactivity

**10.1 Reactivity**
No further relevant information available.

**10.2 Chemical stability**
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications and industry good practice.

**10.3 Possibility of hazardous reactions**
No dangerous reactions known.

**10.4 Conditions to avoid**
No further relevant information available.

**10.5 Incompatible materials:**
Acids, strong oxidising agents, strong alkalis.

**10.6 Hazardous decomposition products:**
Carbon monoxide if incomplete combustion.

**Additional information:**
Can darken with age

## Section 11: Toxicological information

**11.1 Information on toxicological effects**
Acute toxicity Based on available data, the classification criteria are not met.

## Section 12: Ecological information

**Ecological information on ingredients.**
hydrocarbons, C6-C7,n-alkanes, isoalkanes, cyclics, <5% n-hexane Ecotoxicity Dangerous for the environment.

**LD/LC50 values relevant for classification:**

| **108-88-3 Toluene REACH Reg No. 01-2119471310-51-XXXX** | | |
|---|---|---|
| **Oral** | LD50 | 5000 mg/kg (rat) |
| **Dermal** | LD50 | 12124 mg/kg (rabbit) |
| **Inhalative** | LC50/4 h | 5320 mg/l (mouse) |

| **1330-20-7 Xylene, mixture of isomers REACH Reg. No. 01-2119488216-32** | | |
|---|---|---|
| **Oral** | LD50 | 4300 mg/kg (rat) |
| **Dermal** | LD50 | 2000 mg/kg (rabbit) |

**Primary irritant effect:**
Skin corrosion/irritation
Causes skin irritation.
Serious eye damage/irritation
Causes serious eye irritation.
Respiratory or skin sensitisation
Based on available data, the classification criteria are not met.
CMR effects (carcinogenity, mutagenicity and toxicity for reproduction) Germ cell mutagenicity
Based on available data, the classification criteria are not met.

**Carcinogenicity:**
Based on available data, the classification criteria are not met.
**Reproductive toxicity**
Suspected of damaging the unborn child.
**STOT-single exposure**
May cause drowsiness or dizziness.
**STOT-repeated exposure**
May cause damage to organs through prolonged or repeated exposure. Aspiration hazard
May be fatal if swallowed and enters airways.

## Section 12: Ecological Information

**12.1 Toxicity**
Aquatic toxicity: No further relevant information available.

**12.2 Persistence and degradability**
No further relevant information available.

**12.3 Bioaccumulative potential**
No further relevant information available.

**12.4 Mobility in soil No further relevant information available.**
**Ecotoxical effects:**
Remark: Toxic for fish

**Additional ecological information:**
**General notes:**
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

**12.5 Results of PBT and vPvB assessment**
PBT: Not applicable.
vPvB: Not applicable.

**12.6 Other adverse effects**
No further relevant information available.

## Section 13: Disposal considerations

**13.1 Waste treatment methods**
**Recommendation**
Must not be disposed together with household refuse. Do not allow product to reach sewage system.

**European waste catalogue**
Refer to our office for EWC codes for disposal of used solvent.

**Uncleaned packaging:**
Recommendation:
Waste Solvent Disposal must be made according to official regulations. Refer to Hazardous Waste Regulations 2005. Requires movement under Consignment note by licensed waste carrier. We may be able provide this service - please contact us for more details.

Empty contaminated packagings thoroughly.

They may be recycled after thorough and proper cleaning.Please contact us if you wish to return your used packaging (205litre and IBC's only). Containers to be scrapped as waste must be cleaned so that no hazardous substances remain, otherwise uncleaned containers containing residue for srap will need to be consigned as hazardous waste as per WM3.

## Section 14: Transport information

**14.1 UN number**
ADR, IMDG, IATA: 1993

**14.2 UN proper shipping name**
ADR: 1993 FLAMMAB LE LIQUID,
N.O. S. (ACE TONE. TOLUENE). special provision 640D
IMOG, IATA: FLAMMABLE LIQUID. N.O.S. (ACETONE. TOLUENE)

**14.3 Transport hazard class(es)**
**ADR**

Class: 3 Flammable liquids.
Label: 3

**IMOG, IATA**

Class 3 Flammable liquids.
Label 3

**14.4 Packing group**
ADR. IMDG. IATA II

**14.5 Environmental hazards:**
**Marine pollutant:** No
**Special marking (ADR):** Symbol (fish and tree)

**14.6 Special precautions for user**
Warning: Flammable liquids.
Danger code (Kemler): 33
EMS Number: F-E.S-E

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**
Not applicable.

**Transport/Additional information:**
ADR
Limited quantities (LQ): LQ4
Transport category: 2
Tunnel restriction code: D/E

UN "Model Regulation": UN1993, FLAMMABLE LIQUID, N.O.S. (ACETONE. TOLUENE). special provision 6 4 0 D . ENVIRONMENTALLY HAZARDOUS, 3.11

## Section 15: Regulatory information

**15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture**
**REGULATION (EC) No 1907/2006 ANNEX XVII**
**Conditions of restriction:** 3, 48, 69
**National regulations:**
**Other regulations, limitations and prohibitive regulations:** The Dangerous Substances and Explosive Atmoshere Regulations (DSEAR)

**15.2 Chemical safety assessment:**
A Chemical Safety Assessment has not been carried out.

## Section 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

The information contained in this SDS does not constitute a risk assessment, and should not replace the user's own assessment of risks as required by other health and safety legislation.

**Relevant phrases:**
None
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H361d Suspected of damaging the unborn child.
H361f Suspected of damaging fertility.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

**Training hints:**
Make users aware of the contents of this document and train according to use and risks within your operation.

**Department issuing SDS:**
Product safety department.
**Contact:** Sales Office in the first instance.

**Abbreviations and acronyms:**
**ADR:** Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
**IMDG:** International Maritime Code for Dangerous Goods
**IATA:** International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
**EINECS:** European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances
**CAS:** Chemical Abstracts Service (division of the American Chemical Society)
**VOC:** Volatile Organic Compounds (USA,EU)
**LC50:** Lethal concentration, 50 percent
**LD50:** Lethal dose, 50 percent
**PBT:** Persistent, Bioaccumulative and Toxic
**SVHC:** Substances of Very High Concern
**vPvB:** very Persistent and very Bioaccumulative