

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 06.08.2007

Revision: 06.08.2007

## 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Trade name:** *SV 11 Screen Cleaner*  
*SV 11 E Screen Cleaner (Emulsifiable version)*
- **Application of the substance / the preparation** *Screen ink cleaning solvent*
- **Supplier:**  
*Hammond Chemicals Limited*  
*Canal Street*  
*Brierly Hill*  
*West Midlands*  
*DY5 1JR*  
*Tel.: 01384 480600*  
*Fax.: 01384 480680*  
*email: sales.office@hammondchemicals.co.uk*
- **Further information obtainable from:** *Contact us at the above office.*
- **Information in case of emergency:** *Contact us as above*

## 2 Hazards identification

- **Hazard description:**



*Xn Harmful*  
*N Dangerous for the environment*

- **Information concerning particular hazards for human and environment:**

*The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*

*Vapours of the product are heavier than air and may accumulate on the ground, in the sump of pits, drains or cellars with higher concentrations. Ground level ventilation is recommended.*

*R 10 Flammable.*

*R 20 Harmful by inhalation.*

*R 36/37/38 Irritating to eyes, respiratory system and skin.*

*R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*

*R 65 Harmful: may cause lung damage if swallowed.*

- **Classification system:**

*The classification is according to the latest editions of the EU-lists, and extended by company and literature data.*

## 3 Composition/information on ingredients

- **Chemical characterization**

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

- **Dangerous components:**

<i>CAS: 64742-95-6</i> <i>EINECS: 265-199-0</i>	<i>Solvent naphtha (petroleum), light arom.</i> <i>Carc. Cat. 2; ☒ Xn; R 10-65</i>	<i>25-50%</i>
<i>CAS: 95-63-6</i> <i>EINECS: 202-436-9</i>	<i>1,2,4-trimethylbenzene</i> <i>☒ Xn, ☒ Xi, ☒ N; R 10-20-36/37/38-51/53</i>	<i>10-25%</i>
<i>CAS: 107-98-2</i> <i>EINECS: 203-539-1</i>	<i>1-methoxy-2-propanol</i> <i>R 10</i>	<i>10-25%</i>
<i>CAS: 108-67-8</i> <i>EINECS: 203-604-4</i>	<i>mesitylene</i> <i>☒ Xi, ☒ N; R 10-37-51/53</i>	<i>≤ 10%</i>
<i>CAS: 108-94-1</i> <i>EINECS: 203-631-1</i>	<i>cyclohexanone</i> <i>☒ Xn; R 10-20</i>	<i>≤ 10%</i>

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CAS: 1330-20-7 EINECS: 215-535-7	xylene ☒ Xn, ☒ Xi; R 10-20/21-38	≤ 10%
CAS: 98-82-8 EINECS: 202-704-5	cumene ☒ Xn, ☒ Xi, ☒ N; R 10-37-51/53-65	≤ 10%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

## 4 First aid measures

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **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.

Repeated skin contact may result in irritation and dermatitis. Always wear protective gloves suitable for this product.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

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

· **Information for doctor:** Risk of lung aspiration due to low viscosity of product. (R65)

· **The following symptoms may occur:**

Headache

Dizziness

Nausea

## 5 Fire-fighting measures

· **Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with aqueous film forming foam (AFFF). Cool containers with water spray.

CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Protective equipment:**

Respiratory protective device.

Wear self-contained respiratory protective device.

## 6 Accidental release measures

· **Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

Wear protective clothing.

· **Measures for environmental protection:**

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· **Measures for cleaning/collecting:**

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.

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Blanket spillage with AFFF Foam Spray to seal from sources of ignition as a precautionary measure.

## 7 Handling and storage

· **Handling:**

· **Information for safe handling:**

- Store in cool, dry place in tightly closed receptacles.
- Ensure good ventilation/exhaustion at the workplace.
- Open and handle receptacle with care.
- 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 - Do not smoke.
- Protect against electrostatic charges.
- Keep respiratory protective device available.
- Do not spray onto a naked flame or any incandescent material.
- Emergency cooling must be available in case of nearby fire.
- Flammable gas-air mixtures may form in empty receptacles.
- Wear shoes with conductive soles.

· **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.
- 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 oxidizing agents.

· **Further information about storage conditions:**

- Keep container tightly sealed.
- Store receptacle in a well ventilated area.
- 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.
- Plastic IBC's risk sudden and total loss of product in event of fire. Ensure bunded areas are adequate.
- Do not store plastic IBC's with other packaged flammable goods.

## 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

· **Ingredients with limit values that require monitoring at the workplace:**

**95-63-6 1,2,4-trimethylbenzene**

WEL Long-term value: 125 mg/m<sup>3</sup>, 25 ppm

**107-98-2 1-methoxy-2-propanol**

WEL Short-term value: 560 mg/m<sup>3</sup>, 150 ppm  
 Long-term value: 375 mg/m<sup>3</sup>, 100 ppm

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<b>108-67-8 mesitylene</b>	
WEL	Long-term value: 125 mg/m <sup>3</sup> , 25 ppm
<b>108-94-1 cyclohexanone</b>	
WEL	Short-term value: 20 ppm Long-term value: 10 ppm
<b>1330-20-7 xylene</b>	
WEL	Short-term value: 441 mg/m <sup>3</sup> , 100 ppm Long-term value: 220 mg/m <sup>3</sup> , 50 ppm
<b>98-82-8 cumene</b>	
WEL	Short-term value: 250 mg/m <sup>3</sup> , 50 ppm Long-term value: 125 mg/m <sup>3</sup> , 25 ppm

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

· **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.

Store protective clothing separately.

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.

· **Protection of hands:**



Protective gloves

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

· **Material of gloves**

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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

## 9 Physical and chemical properties

· **General Information**

**Form:** Liquid  
**Colour:** Colourless

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<b>Odour:</b>	Characteristic
· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	120°C
· <b>Flash point:</b>	35°C
· <b>Ignition temperature:</b>	270.0°C
· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits:</b>	
<b>Lower:</b>	0.7 Vol %
<b>Upper:</b>	7.5 Vol %
· <b>Vapour pressure at 20°C:</b>	12.0 hPa
· <b>Density at 20°C:</b>	0.898 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix. SV11 E version is emulsifiable
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	100.0 %
<b>VOC (EC)</b>	100.00 %

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:** Acids, strong oxidising agents, strong alkalis.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** Carbon monoxide if incomplete combustion.

## 11 Toxicological information

- **Acute toxicity:**

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

**64742-95-6 Solvent naphtha (petroleum), light arom.**

Oral LD50 >6800 mg/kg (rat)

Dermal LD50 >3400 mg/kg (rab)

Inhalative LC50/4 h >10.2 mg/l (rat)

**95-63-6 1,2,4-trimethylbenzene**

Oral LD50 5000 mg/kg (rat)

**98-82-8 cumene**

Oral LD50 1400 mg/kg (rat)

Dermal LD50 12300 mg/kg (rabbit)

Inhalative LC50/4 h 24.7 mg/l (mouse)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.

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· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Harmful  
 Irritant

## 12 Ecological information

· **Ecotoxicological effects:**

· **Remark:** Toxic for fish

· **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

## 13 Disposal considerations

· **Product:**

· **Recommendation**

Must not be disposed together with household refuse. Do not allow product to reach sewage system.

· **Uncleaned packaging:**

· **Recommendation:**

Disposal must be made according to official regulations. Refer to Hazardous Waste Regulations 2005. Requires movement under Consignment note by licensed waste carrier. We can provide this service - please contact us for more details.

## 14 Transport information

· **Land transport ADR/RID (cross-border)**



· **ADR/RID class:** 3 Flammable liquids.

· **Danger code (Kemler):** 30

· **UN-Number:** 1993

· **Packaging group:** III

· **Hazard label:** 3

· **Description of goods:** 1993 FLAMMABLE LIQUID, N.O.S. (1-METHOXY-2-PROPANOL, Solvent naphtha (petroleum), light arom.), special provision 640E

· **Maritime transport IMDG:**



· **IMDG Class:** 3

· **UN Number:** 1993

· **Label:** 3

· **Packaging group:** III

· **EMS Number:** F-E,S-E

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- **Marine pollutant:** No
- **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (1-METHOXY-2-PROPANOL, Solvent naphtha (petroleum), light arom.)

- **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1993
- **Label:** 3
- **Packaging group:** III
- **Proper shipping name:** FLAMMABLE LIQUID, N.O.S. (1-METHOXY-2-PROPANOL, Solvent naphtha (petroleum), light arom.)

## 15 Regulatory information

- **Labelling according to EU guidelines:**  
*The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.*
- **Code letter and hazard designation of product:**  
*Xn Harmful*  
*N Dangerous for the environment*
- **Hazard-determining components of labelling:**  
*Solvent naphtha (petroleum), light arom.*
- **Risk phrases:**
  - 10 Flammable.
  - 20 Harmful by inhalation.
  - 36/37/38 Irritating to eyes, respiratory system and skin.
  - 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
  - 65 Harmful: may cause lung damage if swallowed.
- **Safety phrases:**
  - 9 Keep container in a well-ventilated place.
  - 16 Keep away from sources of ignition - No smoking.
  - 20 When using do not eat or drink.
  - 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
  - 53 Avoid exposure - obtain special instructions before use.
  - 57 Use appropriate container to avoid environmental contamination.

## 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.*

- **Relevant R-phrases**  
*The 'R' phrase listed below are for reference only and do not form the R phrases for the labelling or classification of the product. Refer to section 3 for this information.*
  - 10 Flammable.
  - 20 Harmful by inhalation.
  - 20/21 Harmful by inhalation and in contact with skin.
  - 36/37/38 Irritating to eyes, respiratory system and skin.
  - 37 Irritating to respiratory system.
  - 38 Irritating to skin.
  - 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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65      *Harmful: may cause lung damage if swallowed.*

· **Training hints**

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

· **Department issuing MSDS:** *Product safety department.*

· **Contact:** *Sales Office in the first instance.*

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