

## Safety data sheet according to 830/2015/EC

Printing date: 20.04.2016

Revision: 20.04.2016

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### • 1.1 Product identifier

• Trade name: **Starrett Kleenscribe Layout Dye Aerosol**

• Article number: #1611

#### • 1.2 Relevant identified uses of the substance or mixture and uses advised against

##### • Sector of Use

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

• Application of the substance / the mixture: Coating

• Uses advised against: Contact manufacturer.

#### • 1.3 Details of the supplier of the Safety Data Sheet

##### • Manufacturer/Supplier:

The L.S. Starrett Company

121 Crescent St.

Athol, MA 01331

(978) 249-3551

• Further information obtainable from: Product Safety Department

#### • 1.4 Emergency telephone number:

ChemTel Inc.

+1 (800)255-3924, +1 (813)248-0585

### SECTION 2: Hazards identification

#### • 2.1 Classification of the substance or mixture

##### • Classification according to Regulation (EC) No 1272/2008

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Acute Tox. 4 H302 Harmful if swallowed.

Acute Tox. 4 H312 Harmful in contact with skin.

Acute Tox. 4 H332 Harmful if inhaled.

Eye Irrit. 2 H319 Causes serious eye irritation.

Muta. 1B H340 May cause genetic defects.

Carc. 1B H350 May cause cancer.

Repr. 2 H361d Suspected of damaging the unborn child.

STOT SE 2 H371 May cause damage to the central nervous system and optic nerve.

##### • Additional information:

There are no other hazards not otherwise classified that have been identified.

0 % of the mixture consists of component(s) of unknown toxicity.

#### • 2.2 Label elements

##### • Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

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- **Hazard pictograms**



GHS02 GHS07 GHS08

- **Signal word** Danger

- **Hazard-determining components of labelling:**

Petroleum gases, liquefied, sweetened  
methanol

toluene

n-butyl acetate

Solvent naphtha (petroleum), light aliph.

- **Hazard statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.

H319 Causes serious eye irritation.

H340 May cause genetic defects.

H350 May cause cancer.

H361d Suspected of damaging the unborn child.

H371 May cause damage to the central nervous system and optic nerve.

H336 May cause drowsiness or dizziness.

- **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  
No smoking.

P251 Pressurized container: Do not pierce or burn, even after use.

P260 Do not breathe mist/vapours/spray.

P211 Do not spray on an open flame or other ignition source.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses,  
if present and easy to do. Continue rinsing.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

- **Additional information:**

Can become highly flammable in use.

Restricted to professional users.

Buildup of explosive mixtures possible without sufficient ventilation.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

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### SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

##### · Components:

CAS: 68476-86-8 EINECS: 270-705-8 Index number: 649-203-00-1	Petroleum gases, liquefied, sweetened  Flam. Gas 1, H220  Press. Gas C, H280  Muta. 1B, H340; Carc. 1A, H350	25-50%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1	n-butyl acetate  Flam. Liq. 3, H226  STOT SE 3, H336	10-25%
CAS: 67-56-1 EINECS: 200-659-6 Index number: 603-001-00-X	methanol  Flam. Liq. 2, H225  Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331  STOT SE 1, H370	2,5-10%
CAS: 141-78-6 EINECS: 205-500-4 Index number: 607-022-00-5	ethyl acetate  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	2,5-10%
CAS: 9004-70-0 EC number: 603-037-0	Nitrocellulose, colloided, granular  Expl. 1.1, H201	2,5-10%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0	propan-2-ol  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	2,5-10%
CAS: 108-88-3 EINECS: 203-625-9 Index number: 601-021-00-3	toluene  Flam. Liq. 2, H225  Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304  Skin Irrit. 2, H315; STOT SE 3, H336	2,5-10%
CAS: 64742-89-8 EINECS: 265-192-2 Index number: 649-267-00-0	Solvent naphtha (petroleum), light aliph.  Muta. 1B, H340; Carc. 1B, H350; Asp. Tox. 1, H304	2,5-10%
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8	acetone  Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	2,5-10%

##### · Additional information:

For the wording of the listed Hazard Statements refer to section 16.

For the listed ingredient(s), the identity and/or exact percentages are being withheld as a trade secret.

### 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 accident.

Take affected persons out into the fresh air.

Medical supervision for at least 48 hours.

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- **After inhalation:**  
Supply fresh air.  
Seek immediate medical advice.  
Provide oxygen treatment if affected person has difficulty breathing.  
In case of irregular breathing or respiratory arrest provide artificial respiration.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Remove contact lenses if worn.  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Unlikely route of exposure.  
Rinse out mouth and then drink plenty of water.  
A person vomiting while laying on their back should be turned onto their side.  
Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**  
Headache  
Breathing difficulty  
Coughing  
Dizziness  
Acidosis  
Disorientation  
Unconsciousness
- **Hazards:**  
Causes serious eye irritation.  
Harmful if swallowed, in contact with skin or if inhaled.  
May cause damage to the central nervous system and optic nerve.  
Vapours may cause drowsiness and dizziness.
- **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:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** None.
- **5.2 Special hazards arising from the substance or mixture**  
Danger of receptacles bursting because of high vapour pressure when heated.  
Extremely flammable aerosol.  
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Wear fully protective suit.

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· **Additional information:**

- Cool endangered receptacles with water spray.
- Use large quantities of foam as it is partially destroyed by the product.

### SECTION 6: Accidental release measures

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

- Wear protective equipment. Keep unprotected persons away.
- Ensure adequate ventilation
- Keep away from ignition sources.

· **6.2 Environmental precautions**

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

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

- Allow to evaporate.
- Absorb liquid components with liquid-binding material.
- Clean the affected area carefully; suitable cleaners are:  
Warm water and cleansing agent
- Dispose contaminated material as waste according to section 13.

· **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**

- Keep away from heat and direct sunlight.
- Avoid splashes or spray in enclosed areas.

· **Information about fire - and explosion protection:**

- Extremely flammable aerosol.
- Keep ignition sources away - Do not smoke.
- Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.
- Do not spray onto a naked flame or any incandescent material.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

- Store in a cool location.
- Observe official regulations on storing packagings with pressurised containers.

· **Information about storage in one common storage facility:** Store away from foodstuffs.

· **Further information about storage conditions:**

- Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

· **7.3 Specific end use(s)** No further relevant information available.

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### SECTION 8: Exposure controls/personal protection

#### · 8.1 Control parameters

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

##### 123-86-4 n-butyl acetate

PEL (USA)	Long-term value: 710 mg/m <sup>3</sup> , 150 ppm
REL (USA)	Short-term value: 950 mg/m <sup>3</sup> , 200 ppm Long-term value: 710 mg/m <sup>3</sup> , 150 ppm
TLV (USA)	Short-term value: 950 mg/m <sup>3</sup> , 200 ppm Long-term value: 713 mg/m <sup>3</sup> , 150 ppm
AGW (Germany)	Long-term value: 300 mg/m <sup>3</sup> , 62 ppm 2(I);Y, AGS

##### 67-56-1 methanol

IOELV (EU)	Long-term value: 260 mg/m <sup>3</sup> , 200 ppm Skin
PEL (USA)	Long-term value: 260 mg/m <sup>3</sup> , 200 ppm
REL (USA)	Short-term value: 325 mg/m <sup>3</sup> , 250 ppm Long-term value: 260 mg/m <sup>3</sup> , 200 ppm Skin
TLV (USA)	Short-term value: 328 mg/m <sup>3</sup> , 250 ppm Long-term value: 262 mg/m <sup>3</sup> , 200 ppm Skin; BEI
AGW (Germany)	Long-term value: 270 mg/m <sup>3</sup> , 200 ppm 4(II);DFG, EU, H, Y

##### 141-78-6 ethyl acetate

PEL (USA)	Long-term value: 1400 mg/m <sup>3</sup> , 400 ppm
REL (USA)	Long-term value: 1400 mg/m <sup>3</sup> , 400 ppm
TLV (USA)	Long-term value: 1440 mg/m <sup>3</sup> , 400 ppm
AGW (Germany)	Long-term value: 1500 mg/m <sup>3</sup> , 400 ppm 2(I);DFG, Y

##### 67-63-0 propan-2-ol

PEL (USA)	Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
REL (USA)	Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
TLV (USA)	Short-term value: 984 mg/m <sup>3</sup> , 400 ppm Long-term value: 492 mg/m <sup>3</sup> , 200 ppm BEI
AGW (Germany)	Long-term value: 500 mg/m <sup>3</sup> , 200 ppm 2(II);DFG, Y

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**108-88-3 toluene**

PEL (USA)	Long-term value: 200 ppm Ceiling limit: 300; 500* ppm *10-min peak per 8-hr shift
REL (USA)	Short-term value: 560 mg/m <sup>3</sup> , 150 ppm Long-term value: 375 mg/m <sup>3</sup> , 100 ppm
TLV (USA)	Long-term value: 75 mg/m <sup>3</sup> , 20 ppm BEI
AGW (Germany)	Long-term value: 190 mg/m <sup>3</sup> , 50 ppm 4(II);DFG, EU, H, Y

**64742-89-8 Solvent naphtha (petroleum), light aliph.**

MAK (Germany)	vgl.Abschn.Xb
---------------	---------------

**67-64-1 acetone**

IOELV (EU)	Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm
PEL (USA)	Long-term value: 2400 mg/m <sup>3</sup> , 1000 ppm
REL (USA)	Long-term value: 590 mg/m <sup>3</sup> , 250 ppm
TLV (USA)	Short-term value: (1782) NIC-1187 mg/m <sup>3</sup> , (750) NIC-500 ppm Long-term value: (1188) NIC-594 mg/m <sup>3</sup> , (500) NIC-250 ppm BEI
AGW (Germany)	Long-term value: 1200 mg/m <sup>3</sup> , 500 ppm 2(I);DFG, EU

**· Ingredients with biological limit values:****67-56-1 methanol**

BEI (USA)	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)
BGW (Germany)	30 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: bei Langzeitexposition: Nach mehreren vorangegangenen Schichten, Expositionsende bzw. Schichtende Parameter: Methanol

**67-63-0 propan-2-ol**

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BEI (USA)	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
BGW (Germany)	25 mg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton
	25 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton

**108-88-3 toluene**

BEI (USA)	0,02 mg/L Medium: blood Time: prior to last shift of workweek Parameter: Toluene
	0,03 mg/L Medium: urine Time: end of shift Parameter: Toluene
BGW (Germany)	0,3 mg/g creatinine Medium: urine Time: end of shift Parameter: o-Cresol with hydrolysis (background)
	600 µg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Toluol
	1,5 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: bei Langzeitexposition: Nach mehreren vorangegangenen Schichten, Expositionsende bzw. Schichtende Parameter: o-Kresol

**67-64-1 acetone**

BEI (USA)	50 mg/L Medium: urine Time: end of shift Parameter: Acetone (nonspecific)
BGW (Germany)	80 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton

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- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  - Keep away from foodstuffs, beverages and feed.
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the eyes and skin.
  - Do not inhale gases / fumes / aerosols.
- **Respiratory protection:**
  - Use suitable respiratory protective device in case of insufficient ventilation.
  - NIOSH or EN approved organic vapour respirator equipped with a dust/mist prefilter should be used.
- **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:**



Safety glasses

- **Body protection:** Impervious protective clothing

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
  - **Appearance**

<b>Form:</b>	Aerosol
<b>Colour:</b>	Blue
  - **Odour:** Characteristic
  - **Odour threshold:** Not determined.
- |                                     |                 |
|-------------------------------------|-----------------|
| <b>pH-value:</b>                    | Not determined. |
| <b>Melting point/Melting range:</b> | Not determined. |

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· <b>Boiling point/Boiling range:</b>	Not applicable, as aerosol.
· <b>Flash point:</b>	Extremely flammable aerosol. Not applicable, as aerosol.
· <b>Flammability (solid, gaseous):</b>	Extremely flammable aerosol.
· <b>Auto/Self-ignition temperature:</b>	370 °C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Danger of explosion:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Explosion limits</b>	
Lower:	1,2 Vol %
Upper:	7,5 Vol %
· <b>Vapour pressure at 20 °C:</b>	133 hPa
· <b>Density at 20 °C:</b>	0,89 g/cm <sup>3</sup> (Liquid Contents Only)
· <b>Relative density:</b>	Not determined.
· <b>Vapour density:</b>	Not determined.
· <b>Evaporation rate:</b>	>1 (n-Butyl Acetate = 1)
· <b>Solubility in / Miscibility with water:</b>	Fully miscible.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>9.2 Other information</b>	No further relevant information available.

### 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.
- **10.3 Possibility of hazardous reactions**  
Extremely flammable aerosol.  
Danger of receptacles bursting because of high vapour pressure when heated.  
Can react violently with oxygen rich (oxidising) material. Danger of Explosion.  
Toxic fumes may be released if heated above the decomposition point.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials** No further relevant information available.
- **10.6 Hazardous decomposition products**  
Carbon monoxide and carbon dioxide  
Nitrogen oxides

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Small quantities of formaldehyde may be formed

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### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**

- **Acute toxicity:**

Harmful if swallowed, in contact with skin or if inhaled.

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

**67-56-1 methanol**

Oral	LD50	5628 mg/kg (rat)
Dermal	LD50	15800 mg/kg (rabbit)

**108-88-3 toluene**

Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rabbit)
Inhalative	LC50/4 h	5320 mg/l (mouse)

- **Primary irritant effect**

- **Skin corrosion/irritation:** Causes mild skin irritation.

- **Serious eye damage/irritation:**

Causes serious eye irritation.

- **Respiratory or skin sensitisation:** Based on available data, the classification criteria are not met.

- **Subacute to chronic toxicity:** May cause damage to the central nervous system and optic nerve.

- **IARC (International Agency for Research on Cancer):**

67-63-0	propan-2-ol	3
108-88-3	toluene	3

- **Probable routes of exposure:**

Inhalation.

Eye contact.

Skin contact.

- **Acute effects (acute toxicity, irritation and corrosivity):**

Harmful if swallowed, in contact with skin or if inhaled.

May cause damage to the central nervous system and optic nerve.

Irritating to eyes.

- **Repeated dose toxicity:** Danger of very serious irreversible effects.

- **Germ cell mutagenicity:**

May cause genetic defects.

- **Carcinogenicity:**

May cause cancer.

- **Reproductive toxicity:**

Suspected of damaging the unborn child.

- **STOT-single exposure:**

May cause damage to the central nervous system and optic nerve.

May cause damage to the central nervous system and optic nerve.

- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.

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- **Aspiration hazard:** Based on available data, the classification criteria are not met.

### 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.
- **Additional ecological information:**
- **General notes:**  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.  
Danger to drinking water if even extremely small quantities leak into the ground.
- **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 garbage. Do not allow product to reach sewage system.  
Incinerate in accordance with local, state and federal regulations.  
The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>· <b>14.1 UN-Number</b></li> <li>· <b>DOT, ADR, IMDG, IATA</b></li> </ul>   | <p>UN1950</p>   |
| <ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>DOT, IATA</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG</b></li> </ul> | <p>AEROSOLS, flammable<br/>1950 AEROSOLS, FLAMMABLE<br/>AEROSOLS, FLAMMABLE</p> |

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· **14.3 Transport hazard class(es)**

· **DOT**



· **Class** 2.1  
 · **Label** 2.1

· **ADR**



· **Class** 2 5F Gases.  
 · **Label** 2.1

· **IMDG, IATA**



· **Class** 2.1  
 · **Label** 2.1

· **14.4 Packing group**

· **DOT, ADR, IMDG, IATA** N/A

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user**

Warning: Gases.

· **Danger code (Kemler):** 23

· **EMS Number:** F-D,S-U

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **Transport/Additional information:**

· **ADR**

· **Tunnel restriction code** E

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### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Carcinogenic Categories**

- **IARC (International Agency for Research on Cancer)**

67-63-0	propan-2-ol	3
108-88-3	toluene	3

- **Directive 2012/18/EU**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **Other regulations, limitations and prohibitive regulations**

- **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients are listed.

- **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.

- **Relevant phrases**

- H201 Explosive; mass explosion hazard.
- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H301 Toxic if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H336 May cause drowsiness or dizziness.
- H340 May cause genetic defects.
- H350 May cause cancer.
- H361d Suspected of damaging the unborn child.
- H370 Causes damage to organs.
- H373 May cause damage to organs through prolonged or repeated exposure. Route of exposure: Inhalation.

- **Abbreviations and acronyms:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)

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**Safety data sheet**  
according to 830/2015/EC

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**Trade name: Starrett Kleenscribe Layout Dye Aerosol**

(Cont'd. from page 14)

HMIS: Hazardous Materials Identification System (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety  
OSHA: Occupational Safety & Health  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
Expl. 1.1: Explosives, Division 1.1  
Flam. Gas 1: Flammable gases, Hazard Category 1  
Aerosol 1: Flammable aerosols, Hazard Category 1  
Press. Gas C: Gases under pressure: Compressed gas  
Flam. Liq. 2: Flammable liquids, Hazard Category 2  
Flam. Liq. 3: Flammable liquids, Hazard Category 3  
Acute Tox. 3: Acute toxicity, Hazard Category 3  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
Muta. 1B: Germ cell mutagenicity, Hazard Category 1B  
Carc. 1A: Carcinogenicity, Hazard Category 1A  
Carc. 1B: Carcinogenicity, Hazard Category 1B  
Repr. 2: Reproductive toxicity, Hazard Category 2  
STOT SE 1: Specific target organ toxicity - Single exposure, Hazard Category 1  
STOT SE 2: Specific target organ toxicity - Single exposure, Hazard Category 2  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2  
Asp. Tox. 1: Aspiration hazard, Hazard Category 1