

## Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date 05.06.2015

Revision: 05.06.2015

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

- **1.1 Product identifier**
- **Trade name:** Starrett Kleenscribe Layout Dye
- **Article number:** 1610
- **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** Printing inks
- **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.  
(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**  
The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H361d.  
The following classifications are applicable only to the general GHS regulations and not the specific CLP regulation: H361.



Repr. 2 H361: Suspected of damaging fertility or the unborn child.



flame

Flam. Liq. 2 H225      Highly flammable liquid and vapour.



skull and crossbones

Acute Tox. 3 H301      Toxic if swallowed.  
Acute Tox. 3 H311      Toxic in contact with skin.  
Acute Tox. 3 H331      Toxic if inhaled.



health hazard

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Repr. 2	H361d	Suspected of damaging the unborn child.
STOT SE 1	H370-H336	Causes damage to the central nervous system and optic nerve. May cause drowsiness or dizziness.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.



Eye Irrit. 2	H319	Causes serious eye irritation.
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• **Additional information:**

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

• **Hazard pictograms**



GHS02 GHS06 GHS08

• **Signal word** Danger

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

methanol  
n-butyl acetate  
toluene

• **Hazard statements**

The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H361d.

The following Hazard Statements are applicable only according to OSHA regulations within the United States. These Statements are not applicable for the CLP regulation (1272/2008/EC) in the EU: H361.

H361: Suspected of damaging fertility or the unborn child.

H225 Highly flammable liquid and vapour.

H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.

H319 Causes serious eye irritation.

H361d Suspected of damaging the unborn child.

H370-H336 Causes damage to the central nervous system and optic nerve. May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

• **Precautionary statements**

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash thoroughly after handling.

P281 Use personal protective equipment as required.

P240 Ground/bond container and receiving equipment.

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- P233 Keep container tightly closed.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P270 Do not eat, drink or smoke when using this product.  
 P271 Use only outdoors or in a well-ventilated area.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P363 Wash contaminated clothing before reuse.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P370+P378 In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **Additional information:**

- EUH209 Can become highly flammable in use.  
 EUH210 Safety data sheet available on request.

• **Hazard description:**

• **WHMIS-symbols:**

As of 11 February 2015, the current WHMIS system is being replaced by the GHS system. This is the classification under the older system.

B2 - Flammable liquid

D1A - Very toxic material causing immediate and serious toxic effects

D2A - Very toxic material causing other toxic effects



• **NFPA ratings (scale 0 - 4)**



Health = 3  
 Fire = 3  
 Reactivity = 0

• **HMIS-ratings (scale 0 - 4)**



Health = \*3  
 Fire = 3  
 Reactivity = 0

• **HMIS Long Term Health Hazard Substances**

64-17-5	ethanol
67-56-1	methanol
108-88-3	toluene

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- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

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

- **Dangerous components:**

CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5	ethanol ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2, H319	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 listed ingredients, the identity and exact percentages are being withheld as a trade secret.  
For the wording of the listed risk phrases refer to section 16.

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## 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.

Immediately remove any clothing soiled by the product.

Remove breathing equipment only after contaminated clothing have been completely removed.

Take affected persons out into the fresh air.

#### • **After inhalation:**

Supply fresh air or oxygen; call for doctor.

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:**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

If skin irritation continues, consult a doctor.

#### • **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. Then consult a doctor.

#### • **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

A person vomiting while laying on their back should be turned onto their side.

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

Headache

Dizziness

Breathing difficulty

Thirst

Gastric or intestinal disorders.

Acidosis

Nausea

Vision disorders.

Blindness

May cause respiratory irritation.

Disorientation

Unconsciousness

#### • **Hazards**

Danger of impaired breathing.

Danger of disturbed cardiac rhythm.

Danger of convulsion.

Condition may deteriorate with alcohol consumption.

Causes damage to organs through prolonged or repeated exposure.

May cause neurotoxic effects.

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

Contains Methanol. Consult literature for specific antidotes.

Medical supervision for at least 48 hours.

If necessary oxygen respiration treatment.

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If medical advice is needed, have product container or label at hand.

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## 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**  
Can form explosive gas-air mixtures.  
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.
- **Additional information**  
Use large quantities of foam as it is partially destroyed by the product.  
Cool endangered receptacles with water spray.

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Wear protective equipment. Keep unprotected persons away.  
Ensure adequate ventilation
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).  
Send for recovery or disposal in suitable receptacles.  
Dispose contaminated material as waste according to item 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**  
Avoid splashes or spray in enclosed areas.  
Prevent formation of aerosols.  
Use only in well ventilated areas.  
Keep away from open flame or other ignition sources.
- **Information about fire - and explosion protection:**  
Flammable gas-air mixtures may form in empty receptacles.  
Keep ignition sources away - Do not smoke.

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Protect against electrostatic charges.  
Keep respiratory protective device available.

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:**  
Store away from oxidising agents.  
Store away from foodstuffs.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.  
Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: 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:**

#### **64-17-5 ethanol**

PEL (USA)	1900 mg/m <sup>3</sup> , 1000 ppm
REL (USA)	1900 mg/m <sup>3</sup> , 1000 ppm
TLV (USA)	Short-term value: 1880 mg/m <sup>3</sup> , 1000 ppm
EL (Canada)	Short-term value: 1000 ppm
EV (Canada)	1,900 mg/m <sup>3</sup> , 1,000 ppm

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

PEL (USA)	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
EL (Canada)	20 ppm
EV (Canada)	Short-term value: 950 mg/m <sup>3</sup> , 200 ppm Long-term value: 710 mg/m <sup>3</sup> , 150 ppm

#### **67-56-1 methanol**

IOELV (EU)	260 mg/m <sup>3</sup> , 200 ppm Skin
PEL (USA)	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

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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
EL (Canada)	Short-term value: 250 ppm Long-term value: 200 ppm Skin
EV (Canada)	Short-term value: 325 mg/m <sup>3</sup> , 250 ppm Long-term value: 260 mg/m <sup>3</sup> , 200 ppm Skin
<b>141-78-6 ethyl acetate</b>	
PEL (USA)	1400 mg/m <sup>3</sup> , 400 ppm
REL (USA)	1400 mg/m <sup>3</sup> , 400 ppm
TLV (USA)	1440 mg/m <sup>3</sup> , 400 ppm
EL (Canada)	150 ppm
EV (Canada)	1,440 mg/m <sup>3</sup> , 400 ppm
<b>67-63-0 propan-2-ol</b>	
PEL (USA)	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
EL (Canada)	Short-term value: 400 ppm Long-term value: 200 ppm
EV (Canada)	Short-term value: 400 ppm Long-term value: 200 ppm
<b>108-88-3 toluene</b>	
PEL (USA)	Short-term value: C 300; 500* ppm Long-term value: 200 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)	75 mg/m <sup>3</sup> , 20 ppm BEI
EL (Canada)	20 ppm R
EV (Canada)	20 ppm
<b>67-64-1 acetone</b>	
IOELV (EU)	1210 mg/m <sup>3</sup> , 500 ppm
PEL (USA)	2400 mg/m <sup>3</sup> , 1000 ppm

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REL (USA)	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-475 mg/m <sup>3</sup> , (500) NIC-200 ppm BEI
EL (Canada)	Short-term value: 500 ppm Long-term value: 250 ppm
EV (Canada)	Short-term value: 750 ppm Long-term value: 500 ppm

- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Engineering measures**  
Provide adequate ventilation.  
Use explosion-proof electrical/ventilating/lighting/equipment.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Do not inhale gases / fumes / aerosols.  
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.
- **Respiratory protection:**  
Suitable respiratory protective device recommended.  
Use suitable respiratory protective device when aerosol or mist is formed.  
Use suitable respiratory protective device when high concentrations are present.  
NIOSH or EN approved organic vapor 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.

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- **Eye protection:**



Safety glasses

- **Body protection:** Impervious protective clothing
- **Limitation and supervision of exposure into the environment**  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Risk management measures** See Section 7 for additional information.

## SECTION 9: Physical and chemical properties

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

- **General Information**

- **Appearance:**

Form:	Liquid
Colour:	Blue
Odour:	Characteristic
Odour threshold:	Not determined.

- pH-value: Not determined.

- **Change in condition**

Melting point/Melting range:	Not Determined.
Boiling point/Boiling range:	56 °C (133 °F)

- Flash point: -20 °C (-4 °F)

- Flammability (solid, gaseous): Not applicable.

- Auto/Self-ignition temperature: 370 °C (698 °F)

- Decomposition temperature: Not determined.

- Self-igniting: Product is not self-igniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

- **Explosion limits:**

Lower:	1,2 Vol %
Upper:	44,0 Vol %

- Vapour pressure at 20 °C (68 °F): 128 hPa (96 mm Hg)

- Density at 20 °C (68 °F): 0,89 g/cm<sup>3</sup> (7,427 lbs/gal)

- Relative density: Not determined.

- Vapour density: Not determined.

- Evaporation rate: Not determined.

- **Solubility in / Miscibility with water:** Fully miscible.

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- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **9.2 Other information** No further relevant information available.

## SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**  
Can react violently with oxygen rich (oxidising) material. Danger of Explosion.  
Flammable.  
Reacts with strong acids.  
Reacts with certain metals.  
Forms flammable gases/fumes.  
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  
Small quantities of formaldehyde may be formed

## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

### · 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:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitisation:** No sensitising effects known.

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- **Additional toxicological information:**  
Inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.
- **Acute effects (acute toxicity, irritation and corrosivity):**  
Irritating to eyes, respiratory system and skin.  
Toxic if swallowed, in contact with skin or if inhaled.  
May cause damage to organs.  
Vapours have narcotic effect.
- **Repeated dose toxicity:**  
Causes damage to organs through prolonged or repeated exposure.  
Suspected of damaging fertility or the unborn child.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**  
Repr. 2

## SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** Moderately /partly biodegradable
- **12.3 Bioaccumulative potential** Not worth-mentioning accumulating in organisms
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water  
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**  
Hand over to hazardous waste disposers.  
Must be specially treated adhering to official regulations.  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.  
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.

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- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## SECTION 14: Transport information

- **14.1 UN-Number**
- **DOT, ADR, IMDG, IATA** UN1210
- **14.2 UN proper shipping name**
- **DOT, IMDG, IATA** PRINTING INK
- **ADR** 1210 PRINTING INK
- **14.3 Transport hazard class(es)**

- **DOT**



- **Class** 3 Flammable liquids.
- **Label** 3

- **ADR**



- **Class** 3 (F1) Flammable liquids.
- **Label** 3

- **IMDG, IATA**



- **Class** 3 Flammable liquids.
- **Label** 3
- **14.4 Packing group**
- **DOT, ADR, IMDG, IATA** II
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Warning: Flammable liquids.
- **Danger code (Kemler):** 30
- **EMS Number:** F-E,S-D
- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

- **Transport/Additional information:**

- **ADR**
- **Limited quantities (LQ)** 5L
- **Transport category** 2
- **Tunnel restriction code** D/E

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# Safety Data Sheet

according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and  
OSHA GHS

Printing date 05.06.2015

Revision: 05.06.2015

Trade name: Starrett Kleenscribe Layout Dye

· UN "Model Regulation":

UN1210, PRINTING INK, 3, II

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## SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA

### · Section 355 (extremely hazardous substances):

None of the ingredients are listed.

### · Section 313 (Specific toxic chemical listings):

67-56-1 methanol

67-63-0 propan-2-ol

108-88-3 toluene

### · TSCA (Toxic Substances Control Act):

All ingredients are listed.

### · Proposition 65 (California):

#### · Chemicals known to cause cancer:

None of the ingredients is listed.

#### · Chemicals known to cause reproductive toxicity for females:

108-88-3 toluene

#### · Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

#### · Chemicals known to cause developmental toxicity:

64-17-5 ethanol

67-56-1 methanol

108-88-3 toluene

### · Carcinogenic Categories

#### · EPA (Environmental Protection Agency)

108-88-3 toluene

II

67-64-1 acetone

I

#### · IARC (International Agency for Research on Cancer)

64-17-5 ethanol

1

67-63-0 propan-2-ol

3

108-88-3 toluene

3

#### · TLV (Threshold Limit Value established by ACGIH)

64-17-5 ethanol

A3

67-63-0 propan-2-ol

A4

108-88-3 toluene

A4

67-64-1 acetone

A4

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<ul style="list-style-type: none"> <li>· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b></li> </ul>
None of the ingredients are listed.
<ul style="list-style-type: none"> <li>· <b>Canada</b></li> </ul>
<ul style="list-style-type: none"> <li>· <b>Canadian Domestic Substances List (DSL)</b></li> </ul>
All ingredients are listed.
<ul style="list-style-type: none"> <li>· <b>Canadian Ingredient Disclosure list (limit 0.1%)</b></li> </ul>
64-17-5   ethanol
<ul style="list-style-type: none"> <li>· <b>Canadian Ingredient Disclosure list (limit 1%)</b></li> </ul>
123-86-4   n-butyl acetate
67-56-1   methanol
141-78-6   ethyl acetate
67-63-0   propan-2-ol
108-88-3   toluene
67-64-1   acetone
<ul style="list-style-type: none"> <li>· <b>Other regulations, limitations and prohibitive regulations</b></li> </ul>
<ul style="list-style-type: none"> <li>· <b>Substances of very high concern (SVHC) according to REACH, Article 57</b></li> </ul>
None of the ingredients are listed.
<ul style="list-style-type: none"> <li>· <b>15.2 Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.</li> </ul>

## 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.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

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 the central nervous system and optic nerve.

H373 May cause damage to organs through prolonged or repeated exposure. Route of exposure: Inhalative.

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**· 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  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
ACGIH: American Conference of Governmental Industrial Hygienists  
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)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
WHMIS: Workplace Hazardous Materials Information System (Canada)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
Expl. 1.1: Explosives, Division 1.1  
Flam. Liq. 2: Flammable liquids, Hazard Category 2  
Flam. Liq. 3: Flammable liquids, Hazard Category 3  
Acute Tox. 3: Acute toxicity, Hazard Category 3  
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. 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 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