

Kleenscribe Layout Dye

LSS0010

Issue: 08

Cat. No. 1610

Date: 26/10/2010

Material Safety Data Sheet

Page 1

Cat. Number: 1610

Section 1. Identification of the Preparation and Company.

Product Name: Kleenscribe Layout Dye – Cat. Number 1610-4, 1610-16 & 1610-32.
Intended Use: To be used to give an opaque blue background that makes scribed lines stand out sharp and clear.
Manufacturer: L.S. Starrett Co. Ltd
Oxnam Road, Jedburgh. TD8 6LR
Tel: 01835 863501 (not 24 hours)
SDS Competent person e-mail: trevor@rising-hsande.co.uk

Supplied by:
RS Components Ltd,
Birchington Road, Corby, Northants, NN17 9RS.
Tel: +44 (0) 1536 402888 (8am to 8pm)
Email: technical.help@rs-components.com

Section 2. Hazards Identification of the Preparation.

Classified under the Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (CHIP 4) as Highly Flammable. Harmful by inhalation, in contact with skin and if swallowed. Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.

Section 3. Composition / Information on Ingredients.

Substances representing a health hazard within the meaning of Directive 67/548/EEC:-

<u>Names</u>	<u>CAS No.</u>	<u>EINECS/ELINCS</u>	<u>Classification</u>	<u>Concn (%)</u>
Ethyl alcohol	64-17-5	200-578-6		30-35
Toluene	108-88-3	203-659-9	Xn: R20	1-5
Acetone	67-64-1	200-662-2	Xi: R36, 66, 67	< 5
n-butyl acetate	123-86-4	204-658-1	Xi: R66, 67	20-25
Iso-propyl alcohol	67-63-0	200-661-7	Xi: R36, 67	< 5
Ethyl acetate	141-78-6	205-500-4	Xi: R36, 66, 67	5-10
Methyl alcohol	67-56-1	200-659-6	T: R23/24/25 R39/23/24/25	5-10
Petroleum distillate, aliphatic	64742-89-8	265-192-2	Xn: R65, 66, 67	1-5

Section 4. First Aid Measures.

General: Can cause redness and tearing of the eyes, defatting and dermatitis of the skin, dizziness, fatigue, nausea and headaches. Excessive inhalation of vapours could lead to possible unconsciousness and even asphyxiation.

Inhalation: Remove to fresh air, keep patient warm and at rest.

Eye contact: Irrigate copiously with clean, fresh water for at least ten minutes.

Skin contact: Wash skin with soap and water or use a recognised skin cleaner. DO NOT use solvents or thinners. Remove contaminated clothes and shoes.

Ingestion: If accidentally swallowed obtain immediate medical attention. DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.

Section 5. Fire Fighting Measures.

Extinguishing media recommended: alcohol resistant foam, CO2, powders,
Water spray.

Section 6. Accidental Release Measures.

Contain and collect spillage with non-combustible absorbent materials, e.g. sand earth, vermiculate, diatomaceous earth and place in a container for disposal according to local regulations (see section 13). Do not allow to enter drains or water courses. If the product enters drains or sewers the local water authority should be contacted immediately; in the case of contamination of streams, rivers or lakes the Environmental Agency.

Section 7. Handling and Storage.

Handling:

Product is Highly Flammable. Keep away from heat and sources of ignition. Avoid prolonged breathing of vapour. Avoid contact with skin. Wash hands thoroughly before eating, drinking, smoking or using the toilet.

The requirements of regulations made under the Health and Safety at Work Act should be complied with.

Storage:

Store in a cool dry place. Keep upright in closed containers away from heat and ignition sources. Keep out of reach of children.

Section 8. Exposure Controls / Personal Protection.

Provide general mechanical ventilation or local exhaustion to keep concentrations of solvent below 50ppm.

EXPOSURE LIMITS.

Recommended workplace exposure limit (WEL):

<u>Name</u>	<u>LTEL</u>		<u>STEL</u>		<u>Notes</u>
	ppm	mg/m ³	ppm	mg/m ³	
Ethyl alcohol	1000	1920	-	-	-
Acetone	500	1210	1500	3620	-
Toluene	50	191	150	574	Skin
n-butyl acetate	150	724	200	966	-
Iso-propyl alcohol	400	999	500	1250	-
Ethyl acetate	200		400		-
Methyl alcohol	200	266	250	333	Skin

As given in HSE Guidance Note EH40/2005

PERSONAL PROTECTION (continued)

Respiratory protection:	Avoid breathing concentrated vapours. In confined areas use approved mask with chemical canister.
Hand protection:	Use chemical resistant gloves as the preparation can penetrate the skin. Prolonged or repeated contact may cause drying of the skin and absorption of substances. (Also consider your own risk assessment.)
Eye protection:	Eye protection designed to protect against liquid splashes which can cause burning and irritation.
Skin protection:	Cotton or cotton/synthetic overalls may be useful to avoid skin contact.

Section 9. Physical and Chemical Properties.

Physical state:	Blue liquid with characteristic odour.
Flash Point:	-20°C.
Specific gravity:	0.89g/ml at 25°C.
Vapour density:	> 1
Vapour pressure:	approx. 100 mmHg at 20°C
Evaporation rate:	<1 (Butyl acetate = 1)
Solubility in water:	Appreciable
Boiling point:	from 56°C.
Melting point:	N/A
Explosive limits:	LEL: 2.0% UEL: 12.0%

Section 10. Stability and Reactivity.

Stable under recommended storage and handling conditions (see Section 7).

The product is incompatible with strong oxidising agents, strong acids.

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide, carbon dioxide and smoke.

Section 11. Toxicological Information.

Vapours may irritate the eyes causing pain and slight transient irritation with slight transient corneal injury. Prolonged skin contact may cause irritation and defatting with risk of dermatitis. Can cause headaches, dizziness, nausea, weakness and loss of consciousness. Prolonged exposure may cause permanent injury.

LD₅₀ rat (oral): > 2000 mg/kg for all major components.

LC₅₀ mouse (inhalation): 7525 ppm/4 hours (data for toluene)

LC₅₀ rat (inhalation): > 6336 ppm/4 hours (data for n-butyl acetate)

Section 12. Ecological Information.

The product should not be allowed to enter drains or water courses or be deposited where it can effect ground or surface waters.

Section 13. Disposal Consideration.

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected.

Wastes, including emptied containers, should be disposed of in accordance with national and local authority regulations, e.g. The Hazardous Waste (England & Wales) Regulations 2005, the Control of Pollution Act 1974 and the Environmental Protection Act 1990.

Section 14. Transport Information.

Proper shipping name:	Paint UN 1263	
Sea: IMDG	Class 3	Packaging group II
Air: IATA	Class 3	Packaging group II
ADR/RID	Class 3	Packaging group II

Section 15. Regulatory Information.

The product is classified under the Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 as Highly Flammable and Harmful.
Contains Methanol.



R11	Highly Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.
R68/20/21/22	Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed
S2	Keep out of reach of children.
S16	Keep away from of ignition – No Smoking.
S25	Avoid contact with eyes.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

Section 16. Other Information.

The safety data sheet has been revised in the following section(s): 2, 3

Risk phrases for the components (not given in section 15)

R36:	Irritating to eyes
R23/24/25:	Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25:	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R65:	Harmful: may cause lung damage if swallowed.

The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.