

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION & COMPANY

Product Name LILLIE'S METHYLENE BLUE

Product Code 62072X

Supplier Clin-Tech Limited
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ETHANOL	200-578-6	64-17-5	10-30%	F;R11
METHANOL	200-659-6	67-56-1	0-1%	F;R11 T;R23/24/25, R39/23/24/25
ACETIC ACID	200-580-7	64-19-7	0-1%	R10 C;R35
METHYLENE BLUE BP 73		122965-43-9	0-1%	Xn;R22

The Full Text for all R-Phrases are Displayed in Section 16

3. HAZARDS IDENTIFICATION

CLASSIFICATION R10

- Flammable

4. FIRST-AID MEASURES**INHALATION**

Not relevant.

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove contaminated clothing. Wash skin thoroughly with soap and water.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue to rinse for at least 15 minutes. Contact physician if discomfort continues.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use: Alcohol resistant foam. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

UNUSUAL FIRE & EXPLOSION HAZARDS

On heating, toxic and flammable vapour may be formed.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Wash spillage site with water and detergent.

7. HANDLING & STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std	8h TWA		STEL	
METHANOL	WEL (skin)	200 ppm	260 mg/m ³	250 ppm	310 mg/m ³
ETHANOL	WEL	1000 ppm	1900 mg/m ³		
ACETIC ACID	WEL	10 ppm	25 mg/m ³	15 ppm	35 mg/m ³

WEL – Workplace Exposure Limit; 8h TWA – 8-hour Time-Weighted Average; STEL – Short-Term EL.

PROTECTIVE EQUIPMENT



HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved, tight fitting safety glasses where splashing is probable.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Blue Liquid
ODOUR	Slight odour of alcohol
SOLUBILITY	Soluble in water
BOILING POINT	89 °C @760 mmHg
FLASH POINT	~37°C
RELATIVE DENSITY	~ 0.99 @ 20°C

10. STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

11. TOXICOLOGICAL INFORMATION

INHALATION

No specific health warnings noted.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Prolonged or repeated exposure may cause irritation.

EYE CONTACT

Prolonged contact may cause transient eye irritation.

12. ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION



IMDG

UN# 1170
 Class 3
 PG III
 Proper shipping name: Ethanol Solution
 Marine Pollutant: No

RID / ADR

UN# 1170
 Class 3
 PG III
 Proper shipping name: Ethanol Solution

IATA

UN# 1170
 Class 3
 PG III
 Proper shipping name: Ethanol Solution

15. REGULATORY INFORMATION**RISK PHRASES**

R10 Flammable

SAFETY PHRASES

S7 Keep container tightly closed

S16 Keep away from sources of ignition - No smoking

STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health. Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

CHIP for everyone HSG(108). Workplace Exposure Limits EH40.

16. OTHER INFORMATION**GENERAL INFORMATION**

This safety data sheet covers all codes for this product.

REVISION COMMENTS

Shipping regulations reassessed

8h TWA (Time-Weighted Average) replaces Long-Term Exposure Limit (LTEL)

REVISION DATE

09-2009

REV. NO./REPL. SDS GENERATED

5 / 06-2009

RISK PHRASES IN FULL

R10	Flammable.
R11	Highly flammable.
R22	Harmful if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R35	Causes severe burns.
R39/23/24/25	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.