

SDS 53007 Toluidine Blue

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1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Company Name

ECP Limited

Address:

39 Woodside Ave, Northcote, Auckland , New Zealand

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Product	Toluidiene Blue				Code	53007
CAS#	HSNO#	UN #	DG Class/es	Packing group #	Tracking?	Handlers Certificate?
6586-04-5	NA- non hazardous	No	No	No	No	No

Recommended use: Laboratory Investigations

2. Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture

2.2 Label elements Not a hazardous substance or mixture.

2.3 Other hazards - none

3. Composition/information on ingredients

Formula	C15H16ClN3S.0.5ZnCl2
Molecular weight :-	373.97
CI Number	63340

4. First aid measures

4.1 Description of first aid measures If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration. In case of skin contact Wash off with soap and plenty of water. In case of eye contact Flush eyes with water as a precaution. If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. Firefighting measures

5.1 Extinguishing media Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. 5.2 Special hazards arising from the substance or mixture Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides, Hydrogen chloride gas, Zinc/zinc oxides 5.3 Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8. 6.2 Environmental precautions Do not let product enter drains. 6.3 Methods and materials for containment and cleaning up Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and storage

7.1 Precautions for safe handling Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 2.2. 7.2 Conditions for safe storage, including any incompatibilities Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Combustible Solids

8. Exposure controls/personal protection

8.1 Control parameters 8.2 Exposure controls Appropriate engineering controls General industrial hygiene practice.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties a) Appearance Form: powder Colour: dark green b) Odour No data available c) Odour Threshold No data available d) pH No data available e) Melting point/freezing point No data available f) Initial boiling point and boiling range No data available g) Flash point No data available h) Evaporation rate No data available i) Flammability (solid, gas) No data available j) Upper/lower flammability or explosive limits No data available k) Vapour pressure No data available l) Vapour density No data available m) Relative density No data available n) Water solubility No data available o) Partition coefficient: noctanol/water No data available p) Auto-ignition temperature No data available q) Decomposition temperature No data available r) Viscosity No data available s) Explosive properties No data available t) Oxidizing properties No data available

9.2 Other safety information No data available

10. Stability and reactivity

10.1 Reactivity No data available 10.2 Chemical stability Stable under recommended storage conditions. 10.3 Possibility of hazardous reactions No data available 10.4 Conditions to avoid No data available 10.5 Incompatible materials Strong oxidizing agents 10.6 Hazardous decomposition products Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO_x), Sulphur oxides, Hydrogen chloride gas, Zinc/zinc oxides Other decomposition products - No data available

11. Toxicological information

11.1 Information on toxicological effects Acute toxicity No data available Toluidine Blue Skin corrosion/irritation No data available (Toluidine Blue) Serious eye damage/eye irritation No data available (Toluidine Blue) Respiratory or skin sensitisation No data available (Toluidine Blue) Germ cell mutagenicity No data available (Toluidine Blue) Carcinogenicity IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. Reproductive toxicity No data available (Toluidine Blue) Specific target organ toxicity - single exposure No data available (Toluidine Blue) Specific target organ toxicity - repeated exposure No data available Aspiration hazard No data available (Toluidine Blue) Additional Information RTECS: Not available

12. Ecological information

12.1 Toxicity No data available 12.2 Persistence and degradability No data available 12.3 Bioaccumulative potential No data available 12.4 Mobility in soil No data available (Toluidine Blue) 12.5 Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted 12.6 Other adverse effects No data available

13. Disposal considerations

13.1 Waste treatment methods Product Offer surplus and non-recyclable solutions to a licensed disposal company. Contaminated packaging Dispose of as unused product.

14. Transport Information Table

		ADR/RID – European packaging certification	IMDG International Maritime Dangerous Goods Code	IATA – DGR International Air Travel Association – Dangerous Goods Regulations
14.1	UN Number	-	-	-
14.2	UN Proper Shipping name	-	-	-
14.3	Transport Hazard Class	-	-	-
14.4	Packaging group	-	-	-
14.5	Environmental Hazards	-	-	-
14.6	Special precautions for user	No		

15. Regulatory information

Nil

16. Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, the information is not a guarantee expressed or implied, with respect to such information, and we assume no liability resulting from its use. Anyone using the chemical described here should ensure that he or she has the appropriate training and has the expertise and any equipment required for safe handling. If clarification or further information is required, please contact ECP Ltd or refer to the official handler of dangerous goods within your own company. The user should also make their own investigations to determine the suitability of the product for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.

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