

## \*\*\* MATERIAL SAFETY DATA SHEET \*\*\*

## PROPYLENE GLYCOL MIXTURE BATH LIQUID

## \*\*\* SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION \*\*\*

Product Name: Propylene Glycol Mixture Bath Liquid  
 Product Code: BL500

Company Identification: QuadraChem Laboratories Ltd  
 Riverside  
 Forest Row Business Park  
 Forest Row  
 East Sussex RH18 5DW, England

Company Phone Number: +44 (0) 01342 820820

## \*\*\* SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS \*\*\*

CAS #	Chemical Name	Percent	EINECS #
57-55-6	Propylene Glycol	33	200-338-0
	Water	67	
	Methylene Blue	Trace	

Hazard symbols:

Risk Phrases:

## \*\*\* SECTION 3 – HAZARDS IDENTIFICATION \*\*\*

## EMERGENCY OVERVIEW

Potential Health Effects

Eye:

May cause irritation

Skin:

May cause irritation

Ingestion:

May cause gastrointestinal irritation with nausea and diarrhoea. May cause central nervous system effects.

Inhalation:

Low hazard for usual industrial handling.

Chronic:

May cause fetal effects.

\*\*\* SECTION 4 – FIRST AID MEASURES \*\*\*

Eyes:

Flush eyes with plenty of water for at least 15 minutes occasionally lifting the upper and lower lids. Get medical aid immediately.

Skin:

Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.

Ingestion:

If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid if irritation or symptoms occur.

Inhalation:

Remove from exposure to fresh air immediately. Get medical aid if cough or other symptoms appear.

Notes to Physician:

Treat symptomatically and supportively.

\*\*\* SECTION 5 – FIRE FIGHTING MEASURES \*\*\*

General Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media:

In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

\*\*\* SECTION 6 – ACCIDENTAL RELEASE MEASURES \*\*\*

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb spill with inert material (eg dry sand or earth), then place into a chemical waste container.

\*\*\* SECTION 7 – HANDLING AND STORAGE

Handling:

Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with skin and eyes. Keep container tightly closed. Avoid ingestion and inhalation.

Storage:

Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

\*\*\* SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION \*\*\*

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low.

Personal Protective Equipment:

Eyes:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR, 190, 133 or European Standard EN166.

Skin:

Wear appropriate protective gloves to prevent skin exposure.

Clothing:

Wear appropriate clothing to prevent skin exposure.

Respirators:

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

\*\*\* SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES \*\*\*

Physical State:	Liquid
Colour	Blue
Odour:	odourless
pH:	No information available
Vapour Pressure:	
Viscosity:	
Boiling Point:	
Freezing/Melting Point:	
Decomposition Temperature:	No information available
Solubility:	Miscible in water
Specific Gravity/Density:	
Molecular Formula:	
Molecular Weight:	

\*\*\* SECTION 10 – STABILITY AND REACTIVITY \*\*\*

Chemical Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Incompatible materials

Incompatibilities with Other Materials:

Acid chlorides; acid anhydrides; oxidising agents; chloroformates; reducing agents; hydrofluoric acid and nitric acid.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide

Hazardous Polymerization:  
Has not been reported

\*\*\* SECTION 11 – TOXICOLOGICAL INFORMATION \*\*\*

The following information relates to the Propylene Glycol component of the mixture.  
Methylene Blue is not present in sufficiently high concentration to cause a hazard.

RTECS:  
CAS# 57-55-6: TY2000000.

LD50/LC50:  
CAS# 57-55-6  
Oral, mouse: LD50 = 22 gm/kg  
Oral, rabbit: LD50 = 18500 mg/kg  
Oral rat: LD50 = 20 gm/kg  
Skin, rabbit: LD50 = 20800 mg/kg

Carcinogenicity:  
CAS# 57-55-6: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA or  
CA Prop 65.

Other:  
See actual entry in RTECS for complete information.

\*\*\* SECTION 12 - ECOLOGICAL INFORMATION \*\*\*

No information available

\*\*\* SECTION 13 – DISPOSAL CONSIDERATIONS \*\*\*

Dispose of in a manner consistent with federal, state and local regulations.

\*\*\* SECTION 14 – TRANSPORT INFORMATION \*\*\*

<b>CDG/CPL</b>	<b>IATA</b>	<b>IMO</b>	<b>RID/ADR</b>	<b>CANADIAN TDG</b>
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Shipping Name: No information available - (applicable to all the above headings)

Hazard Class:  
UN Number:  
Packing Group:

\*\*\* SECTION 15 – REGULATORY INFORMATION \*\*\*

European/International Regulations  
European Labelling in Accordance with EC Directives:  
Hazard Symbols:  
Risk Phrases:  
Safety Phrases:

WGK (Water Danger/Protection)  
CAS# 57-55-6: 0

Canadian DSL/NDSL  
CAS# 57-55-6 is listed on Canada's DSL List.

Canadian WHMIS Classifications  
No information available

Canadian Ingredient Disclosure List  
CAS# 57-55-6 is not listed on Canada's Ingredient Disclosure List

Exposure Limits for the propylene glycol component of the mixture

OES-United Kingdom: TWA total (vapour and particulates): 150ppm TWA; 470mg/m<sup>3</sup> TWA;  
particulates: 10 mg

US Federal  
TSCA  
CAS# 57-55-6 is listed on the TSCA Inventory

\*\*\* SECTION 16 – OTHER INFORMATION \*\*\*

MSDS Creation Date: February 25, 2000

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information 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.*