# SAFETY DATA SHEET

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

| | | |
|---|---|---|
| 1.1 | Product Name: | Brilliant Blue C125 |
| 1.2 | Product Code: | 2BRILBLUCOL |
| 1.3 | Chemical Name: | Benzenemethanaminium, N-ethyl-N-[4-[[4-[ethyl[(3-sulfophenyl)methyl] amino]phenyl](2-sulfophenyl)methylene]-2,5-cyclohexadien-1-ylidene]-3-sulfo-, hydroxide, inner salt, disodium salt |
| 1.4 | Other Name(s): | ACID BLUE 9; C.I. 42090; C.I. Acid Blue 9, disodium salt; CI 42090 |
| 1.5 | UN Proper Shipping Name: | Not Applicable |
| 1.6 | UN Technical Shipping Name: | Not Applicable |
| 1.7` | UN Number: | Not Applicable |
| 1.8 | Dangerous Goods Class | Not Applicable |
| 1.9 | Subsidiary Risk | Not Applicable |
| 1.10 | Packaging Group | Not Applicable |
| 1.11 | Hazchem Code | Not Applicable |
| 1.12 | Poisons Schedule Number: | None allocated |
| 1.13 | Recommended Product Use: | Concentrated Food Ingredient, Food Dye, Personal Care and Cosmetics and pharmaceuticals |
| 1.14 | Company: | Range Products Pty Ltd |
| 1.15 | Address: | 6/138 Radium St, Welshpool, WA 6106 |
| 1.16 | Telephone Number: | (08) 9358 4448 |
| 1.17 | Fax Number: | (08) 9358 4449 |
| 1.18 | Email: | info@rangeproducts.com.au |
| 1.19 | Website: | www.rangeproducts.com.au |
| 1.20 | Emergency Contact: | Western Australian Poisons Information Centre 131126 |

## SECTION 2 - HAZARDS IDENTIFICATION

| | | |
|---|---|---|
| 2.1 | Classification of the substance or mixture: | Not classified as Hazardous |
| | Physical | No Category |
| | Health | No Category |
| | Environmental | No Category |
| 2.2 | Signal Word (s): | Not Applicable |
| 2.3 | Hazard Statement(s): | Not Applicable |
| 2.4 | Pictogram(s): | Not Applicable |
| 2.5 | Precautionary Statement – Prevention | Not Applicable |
| 2.6 | Precautionary Statement – Response: | Not Applicable |
| 2.7 | Precautionary Statement – Storage: | Not Applicable |
| 2.8 | Precautionary Statement – Disposal: | Not Applicable |

## SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

2.1 Ingredients

| CAS Number | Component Entity | Colour Index | E Number | Proportions |
|---|---|---|---|---|
| 3844-45-9 | Brilliant Blue | CI42090 | E133 | N/A |

## SECTION 4 - FIRST-AID MEASURES

| | | |
|---|---|---|
| 4.1 | Eye | Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. If irritation occurs and persists, obtain medical attention. |
| 4.2 | Skin | Remove contaminated clothing and flush skin with plenty of soap and water. If irritation develops, seek medical attention. Wash contaminated clothing before reusing |
| 4.3 | Ingestion | Do NOT induce vomiting. If the person is conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately. |
| 4.4 | Inhalation | Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Seek medical advice if effects persist. |
| 4.5 | For Advice | Contact the Western Australian Poisons Information Centre on 131126 or a doctor at once. |
| 4.6 | Advice to Doctor: | Treat symptomatically. Note the nature of the product. |

## SECTION 5 - FIRE-FIGHTING MEASURES

| | | |
|---|---|---|
| 5.1 | General Information | As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Emits toxic fumes under fire conditions. Prevent contact with skin and eyes. |
| 5.2 | Extinguishing Media | In case of a fire, water spray, carbon dioxide, dry chemical, or universal type foam. Use water spray to cool fire-exposed containers. |
| 5.3 | Special Procedures | Determine the need to evacuate or isolate the area according to your local emergency plan. |
| 5.4 | Contact Point | Dial **000** Emergency in case of fire (in Australia) or Local Emergency Authority (out of Australia) |
| 5.5 | Flammability | Not Flammable |
| 5.6 | Unusual Fire/Explosion Hazards | None |
| 5.7 | Hazchem Code | No Data Available |

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

| | | |
|---|---|---|
| 6.1 | Personal Precautions: | Use proper personal protective equipment as indicated in Section 8. |
| 6.2 | Methods for Cleaning Up: | Clean up spills immediately, observing precautions in the Protective Equipment section. Using care to avoid dust generation, vacuum or sweep into a closed container for reuse or disposal. Do not sweep or flush spilled product into public sewer, streams or other water system. Ventilate and wash site with detergent and hot water after material has been removed. |
| 6.3 | Safety Precautions: | Eliminate ALL ignition sources. Ventilate area. Spillage may cause SLIPPERY CONDITIONS (especially when wet). Determine the need to evacuate or isolate the area according to your local emergency plan. |
| 6.4 | Environmental Precautions: | Keep away from drains, surface and ground water. Report spills to appropriate authorities if required. |

## SECTION 7 - HANDLING AND STORAGE

| | | |
|---|---|---|
| 7.1 | Handling: | Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not breathe dust. Keep container tightly closed. Avoid contact with heat, sparks and flame. Minimise dust generation and accumulation. Avoid drinking, tasting, |

| | | |
|---|---|---|
| | | swallowing or ingesting this product. Contaminated clothing and shoes should be cleaned before reuse. No Smoking. |
| 7.2 | Storage: | Store in a cool, dry, well-ventilated area away from incompatible substances. Keep container closed when not in use. Store away from heat and open flame. |
| 7.3 | Unsuitable Storage Containers: | None established. |

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | |
|---|---|---|
| 8.1 | Exposure Standards: | No exposure standards are available for this product. |
| 8.2 | Engineering Controls: | Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low. Always provide effective general, and when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist and vapour away from workers to prevent routine inhalation. |
| 8.3 | Personal Protective Equipment | |
| | Eye: | Wear appropriate protective eyeglasses or chemical safety glasses as set out in the OSHA 29 CFR 1910.133 |
| | Skin: | Wear appropriate protective gloves to prevent skin exposure. |
| | Clothing: | Wear appropriate protective clothing to prevent skin exposure |
| | Respirators: | Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary. Or consult the Australian Standards code AS/NZS 1715 on respiratory equipment. |

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|---|---|
| 9.1 | Appearance: | Blue Powder or Granules |
| 9.2 | Odour: | No Odour |
| 9.3 | Clarity | No foreign matter. |
| 9.4 | Vapour Pressure | Not available |
| 9.5 | Vapour Density: | Not available |
| 9.6 | Specific Gravity @ 20$^{o}$C | Not available |
| 9.7 | Flashpoint: | Normally stable, not combustible nor flammable. |
| 9.8 | Solubility: | Not available |
| 9.9 | Optical Rotation @ 20$^{o}$C | Not Available |
| 9.10 | Refractive Index @ 20$^{o}$C | Not Available |
| 9.11 | Bulk Density: | 0.62 gm/cc |
| 9.12 | Boiling Point | Not Available |
| 9.13 | Melting Point | Not Available |
| 9.14 | Moisture: | Not Available |
| 9.15 | Volatiles: | Not available |
| 9.16 | pH @ 1.0% in $H_2O$ | Not available |
| 9.17 | Chemical Formula: | C37H36N2O9S3.2Na |

## SECTION 10 - STABILITY AND REACTIVITY

| | | |
|---|---|---|
| 10.1 | Chemical Stability: | Stable under normal conditions of use. |
| 10.2 | Conditions to avoid: | Incompatible materials, dust generation, excess heat. |
| 10.3 | Incompatibilities: | Avoid contact with strong oxidizing agents. |
| 10.4 | Hazardous Decomposition Products | Hazardous products of combustion: oxides of carbon, nitrogen and sulphur. |
| 10.5 | Hazardous Polymerization: | Has not been reported. |

## SECTION 11 - TOXICOLOGICAL INFORMATION

| | | |
|---|---|---|
| 11.1 | Acute Toxicity | |
| | LD50 Oral: | >10,000 mg/kg (Rat) |
| | LD50 Skin: | No information available. |
| | LC50 Inhalation: | No information available. |
| 11.2 | Carcinogenicity | Not listed by NTP, IARC or OSHA |
| 11.3 | Epidemiology | No information available. |
| 11.4 | Teratogenicity | No information available. |
| 11.5 | Reproductive Effects | No information available. |
| 11.6 | Neurotoxicity: | No information available. |
| 11.7 | Mutagenicity | No information available. |
| 11.8 | OSHA Permissible Exposure Limit | Not Listed |
| 11.9 | Other Studies | No data available |

## SECTION 12 - ECOLOGICAL INFORMATION

| | | |
|---|---|---|
| 12.1 | Eco-toxicity: | None established. Avoid pollution to soil, rivers and ocean. |
| 12.2 | Persistence & Degradability: | Low persistence level and readily biodegradable. |
| 12.3 | Mobility: | Low mobility in the soil. |
| 12.4 | Bio-accumulative Potential: | None established. |
| 12.5 | Other Adverse Effects: | None established. |

## SECTION 13 - DISPOSAL CONSIDERATIONS

| | | |
|---|---|---|
| 13.1 | Waste Material: | Place material and/or absorbent into sealed containers and dispose of in accordance with current applicable laws and regulations. Refer to a local Authority advice. |
| 13.2 | Contaminated Packaging: | Dispose of in accordance with current applicable laws and regulations. Refer to local Authority Advice. |
| 13.3 | Note: | Empty containers can have residues, gases and mists. Use the proper Waste Disposal Methods & Procedures for Empties as well. |

## SECTION 14 - TRANSPORT INFORMATION

| | | |
|---|---|---|
| 14.1 | Transportation: | Not Dangerous Goods according to criteria of the Australian Dangerous Goods Code for Transport by Road and Rail. No special transport required |
| 14.2 | UN Number: | Not Applicable |
| 14.3 | Proper Shipping Name: | Not Applicable |
| 14.4 | Technical Shipping Name | Not Applicable |
| 14.5 | DG Class/ Subsidiary Risk: | Not Applicable |
| 14.6 | Packaging Group: | Not Applicable |
| 14.7 | Hazchem Code: | Not Applicable |
| 14.8 | EPG Number: | Not Available |
| 14.9 | IERG Number: | Not Available |
| 14.10 | Special Precautions: | None Allocated. |

## SECTION 15 - REGULATORY INFORMATION

| | | |
|---|---|---|
| 15.1 | SUSMP Schedule: | Not scheduled. |
| 15.2 | SUSMP Name: | None Allocated. |
| 15.3 | Warning Statements: | None Allocated. |
| 15.4 | Safety Directions: | 1. Avoid contact with eyes. |

| | | |
|---|---|---|
| | | 3. Wear eye protection when mixing or using. |
| | | 5. Wear protective gloves when mixing or using. |
| | | 6. Wash hands after use. |
| | | 11. No Smoking. |
| | | 15. Store under cover in a dry, clean, cool, well ventilated place away from sunlight. |
| | | 23. Keep away from heat, sparks and naked flames. |
| | | 25. Avoid contact with food. |
| 15.5 | Standard Statements: | A For advice, contact Poisons Information Centre (PH: 131126) or a doctor at once. |
| | | G3 If swallowed, do NOT induce vomiting. |
| 15.6 | AICS | This product is listed on the Public AICS Database. |
| 15.7 | AICS Name | None |

## SECTION 16 - OTHER INFORMATION

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|---|---|---|
| 16.1 | SDS Creation Date | 4 June 2015 |
| | | |

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| 16.2 | Disclaimer | |

The information contained in this Safety Data Sheet has been prepared in accordance with the National Code of Practice for the Preparation of Safety Data Sheets and represents the best reliable 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 way shall the company (Range Products Pty Limited) 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 company has been advised of the possibility of such damages.

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|---|---|---|
| 16.3 | Acronyms | |

**<** less than
**>** greater than
**°C** degrees Celsius
**ACCC** Australian Competition and Consumer Commission
**ADG** Australian Dangerous Goods
**AICS** Australian Inventory of Chemical Substances
**ACGIH** American Conference of Governmental Industrial Hygienists
**AS** Australian Standard
**BOD** Biochemical Oxygen Demand
**CAS** Chemical Abstracts Service (Registry Number)
**cm3** cubic centimetres
**COD** Chemical Oxygen Demand
**CosIng** The European Commission database with information on Cosmetic Ingredients & Substances
**DG** Dangerous Goods
**EC** European Commission
**EC50** EC stands for effective concentration. EC50 refers to the concentration of a toxicant which induces a response halfway between the baseline and maximum after a specified exposure time.
**EFFA** European Flavour Association
**EINECS** European Inventory of Existing Commercial Chemical Substances (Identifying Number)
**EU** Europe / European Union
**g** gram
**GHS** The Globally Harmonized System of Classification and Labelling of Chemicals
**GMO** Genetically modified organism
**Hazchem Code** Emergency action code of numbers and letters that provide information to emergency services especially fire fighters
**hr** Hour
**HSIS** The Safe Work Australia Hazardous Substances Information System
**HSNO** Hazardous Substances Approval Code
**IATA** The International Air Transport Association
**ICAO** The International Civil Aviation Organization
**IFRA** The International Fragrance Association
**IMDG** International Maritime Dangerous Goods
**INCI** The International Nomenclature of Cosmetic Ingredients
**ISO** International Organization for Standardization

**kg** kilogram
**LC50** LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours. This is normally quoted in mg/kg body weight.
**LD50** LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals. This is normally quoted in mg/kg body weight.
**LDLo** LDLO stands for Lethal Dose Low, the minimum amount of a material which tests have shown will be lethal to a specified type of animal. This is normally quoted in mg/kg body weight.
**Lt** Litre
**Max.** maximum
**mg** milligram
**Min.** minimum
**Ml** millilitre
**m3** cubic metre
**mm** millimetre
**mm Hg** millimetre of Mercury
**N/A** Not Applicable
**NICNAS** The National Industrial Chemicals Notification and Assessment Scheme (AUSTRALIA)
**NIOSH** The National Institute for Occupational Safety and Health (USA)
**NOHSC** National Occupational Health and Safety Commission (AUSTRALIA)
**n.o.s.** Not otherwise specified
**NZS** New Zealand Standard
**NZIoC** New Zealand Inventory of Chemicals
**OECD** Organization for Economic Co-operation and Development (Test Method number)
**OSHA** The Occupational Safety and Health Administration (USA)
**PEL** Permissible Exposure Limit
**ppb** parts per billion
**ppm** parts per million
**RTECS** The Registry of Toxic Effects of Chemical Substances
**SCCNFP** Scientific Committee on Cosmetic Products and Non-Food Products (EUROPE)
**SDS** Safety Data Sheet
**STEL** Short Term Exposure Limit
**Subsp.** Subspecies
**SUSMP** Standard for the Uniform Scheduling of Medicine & Poisons (AUSTRALIA)
**TD** TD stands for Toxic Dose. TD is the amount of a material, given all at once, which causes the untoward symptoms in the majority of persons, or in the majority of a group of test animals. This is normally quoted in mg/kg body weight.
**TGA** Therapeutic Goods Administration (AUSTRALIA)
**TLV** Threshold Limit Value
**TWA** Time Weighted Average
**UK** United Kingdom
**UN** United Nations
**USA** The United States of America
**µg** microgram
**µl** microlitre

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| 16.4 | Document Prepared By: | Penny Coupland, Technical Officer |