



Infosafe No™	1CH23	Issue Date : January 2019	RE-ISSUED by CHEMSUPP
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Product Name : **CONGO RED**

Classified as hazardous

1. Identification

GHS Product Identifier	CONGO RED	
Company Name	CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)	
Address	38 - 50 Bedford Street GILLMAN SA 5013 Australia	
Telephone/Fax Number	Tel: (08) 8440-2000 Fax: (08) 8440-2001	
Emergency phone number	CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)	
Recommended use of the chemical and restrictions on use	Dye (benzidine based), medicine (diagnostic aid), biological stain and indicator (pH indicator 3.0 - 5.2); laboratory reagent.	
Other Names	Name	Product Code

CONGO RED LR

CL070

Sodium diphenyl-bis-alpha-naphthylamine sulfonate, C.I. 22120,
Direct Red 21-Naphthalenesulfonic acid, 3,3'-
(4,4'-biphenylenebis(azo))bis(4-amino-,disodium salt)**Other Information**

Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture	Carcinogenicity: Category 1B Toxic to Reproduction: Category 2
Signal Word (s)	DANGER
Hazard Statement (s)	H350 May cause cancer. H361 Suspected of damaging fertility or the unborn child.
Pictogram (s)	Health hazard



Precautionary statement – Prevention	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P281 Use personal protective equipment as required.
Precautionary statement – Response	P308+P313 IF exposed or concerned: Get medical advice/attention.
Precautionary statement – Storage	P405 Store locked up.
Precautionary statement – Disposal	P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition/information on ingredients

Chemical Characterization	Solid
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Information on Composition	C.I. 22120				
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>
	Congo Red	573-58-0	100 %		

4. First-aid measures

Inhalation	If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.
Ingestion	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.
Skin	Immediately remove contaminated clothing and wash affected area with water for at least 15 minutes. Ensure contaminated clothing is washed before re-use. Seek medical advice if concerned.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. In all cases of eye contamination it is a sensible precaution to seek medical advice.
First Aid Facilities	Maintain eyewash fountain and safety shower in work area.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
Other Information	For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Hazards from Combustion Products	May evolve irritating and toxic fumes in fire including nitrogen and sulfur oxides.
Specific Methods	Small fire: Use dry chemical, CO2 or water spray. Large fire: Use water spray, fog or foam - Do NOT use water jets.
Specific hazards arising from the chemical	May burn but do not ignite readily.
Precautions in connection with Fire	Wear SCBA and chemical splash suit. Fully encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is NOT effective for these materials.

6. Accidental release measures

Personal Precautions	Avoid inhalation, contact with skin, eyes and clothing.
Personal Protection	Use personal protective equipment listed in Section 8.
Clean-up Methods - Small Spillages	Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

7. Handling and storage

Precautions for Safe Handling	Wash hands and face thoroughly after working with material. Avoid generation or accumulation of dusts. Avoid prolonged or repeated contact with skin, eyes and clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Use local exhaust extraction.
Conditions for safe storage, including any incompatibilities	Store away from oxidizing agents. Keep container tightly closed and in a cool, dry, well-ventilated place, away from direct sunlight and other sources of heat or ignition.

8. Exposure controls/personal protection

Other Exposure Information	No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m3. All atmospheric contamination should be kept to as low a level as is workable.
Appropriate engineering controls	In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. These methods should be used in preference to personal protective equipment.
Respiratory Protection	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection,



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Eye Protection	fit testing, training, maintenance and inspection. The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
Hand Protection	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.
Personal Protective Equipment	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
Body Protection	Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
Hygiene Measures	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

Form	Solid
Appearance	Brownish-red powder; Yellowish-red (in water); Orange (In ethanol).
Odour	Odourless.
Melting Point	>360 °C
Solubility in Water	Soluble (25 g/l @ 20 °C).
Solubility in Organic Solvents	Soluble in alcohol. Very slightly soluble in acetone. Insoluble in ether.
pH	~ 6.7 (10 g/l, H ₂ O, 20 °C)
Flammability	Combustible.
Molecular Weight	696.68

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons. Decomposes on exposure to acid fumes and at elevated temperatures.
Conditions to Avoid	Incompatible materials, excess heat, dust generation, high temperatures.
Incompatible Materials	Strong oxidising agents, strong reducing agents, strong acids.
Hazardous Decomposition Products	Oxides of carbon, oxides of nitrogen, oxides of sulfur, ammonia fumes and nitrogen.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Acute Toxicity - Oral	LD50 (rat): 143 mg/kg LDL0 (human): 143 mg/kg
Ingestion	May be harmful by ingestion. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May also affect central nervous system, respiration and vascular system.
Inhalation	May be harmful by inhalation. May be irritating to mucous membranes and upper respiratory tract. Toxic effect on lungs.
Skin	May be harmful by skin absorption. May cause skin irritation, sensitisation, an allergic reaction, which becomes evident upon reexposure to this material.
Eye	May cause eye irritation.
Carcinogenicity	H350 May cause cancer. Congo Red is a benzidine-based dye and benzidine has been classified by IARC (International Agency for Research on Cancer) as Group 1 carcinogens.
Reproductive Toxicity	H361 Suspected of damaging fertility or the unborn child.
Chronic Effects	May cause cancer. May cause reproductive and fetal effects (based upon animal experimental data). May affect genetic material (based upon animal experimental data).

12. Ecological information



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Ecotoxicity	Quantitative data on the ecological effect of this product are not available.
Persistence and degradability	No persistence/degradability data available for this product.
Mobility	No mobility data available for this product.
Environmental Fate	No information available.

13. Disposal considerations

Disposal Considerations	Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and disposed of according to relevant local, state and federal government regulations.
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14. Transport information

Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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15. Regulatory information

Regulatory Information	Listed in the Australian Inventory of Chemical Substances (AICS). Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Poisons Schedule	S7

16. Other Information

Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007. Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010. Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'. Safe Work Australia, 'Hazardous Chemical Information System, 2005'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'. Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995) 3rd Edition]'.
Contact Person/Point	Paul McCarthy Ph. (08) 8440 2000 DISCLAIMER STATEMENT: All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. Chem-Supply accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives.

Empirical Formula & Structural Formula	C32 H22 N6 O6 S2 Na2 ...End Of MSDS...
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