

SAFETY DATA SHEET

Congo Red, certified

1. IDENTIFICATION

Product Identifiers

Product Name: Congo Red, certified, C.I. 22120
Other Names: Synonyms
Product Number(s): C0931; C0935; 11103
CAS Number: 573-58-0

Recommended use of the chemical and restriction on use

Laboratory reagent

Company Details

ProSciTech Pty Ltd
11 Carlton Street
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Australia

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www.proscitech.com

Emergency Contact Details

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2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Solid

Label Elements



Signal Words

Danger

Hazard Statement(s)

Carcinogenicity: Category 1B H350 May cause cancer.

Toxic to Reproduction: Category 2 H361 Suspected of damaging fertility or the unborn child.

Precautionary Statement(s)

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.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up.

P501 Dispose of contents/container to an approved waste disposal plant.

Primary route(s) of entry

No data

Human Health

Inhalation: May be harmful by inhalation. Avoid breathing dust, vapours or mists.

Ingestion: May be harmful by ingestion

Eyes: May cause eye irritation - The use of a face shield, chemical goggles or safety glasses

Skin: May be harmful by skin absorption - Avoid contact with skin, eyes and clothing

Environment

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Name | CAS No. | Content (w/w) | Classification |
|------|---------|---------------|----------------|
|------|---------|---------------|----------------|

| | | |
|-----------|-----------|---------------|
| Congo Red | 573- 100% | Not Available |
| | 58-0 | |

4. FIRST AID MEASURES

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.

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.

Skin Contact

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.

Other Information

Maintain eyewash fountain and safety shower in work area.
Treat symptomatically based on judgement of doctor and individual reactions of the patient

5. FIREFIGHTING MEASURES

Suitable extinguishing equipment

Small fire: Use dry chemical, CO₂ or water spray.
Large fire: Use water spray, fog or foam - Do NOT use water jets

HAZCHEM

May evolve irritating and toxic fumes in fire including nitrogen and sulphur oxides. May burn but do not ignite readily.

Special protective equipment and precautions for fire fighters

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, protective equipment and emergency procedures

Avoid inhalation, contact with skin, eyes and clothing. Use personal protective equipment listed in Section 8

Environmental precautions

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.

Methods and materials for containment and clean up

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

Store away from oxidising 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

Exposure Standards

Engineering controls

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.

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.

Personal protective equipment

Eye and face protection

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.

Skin protection

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.

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, fit testing, training, maintenance and inspection.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

| | |
|------------------------------|---|
| Appearance | Solid brownish powder |
| Odour | Odourless |
| pH | ~ 6.7 (10 g/l, H ₂ O, 20 °C) |
| Vapour Pressure | Not available |
| Density | Not available |
| Boiling Point | Not available |
| Melting Point | >360 °C |
| Solubility | Soluble (25 g/l @ 20 °C) Soluble in alcohol. Very slightly soluble in acetone. Insoluble in ether. |
| Specific Gravity of Density | Flash Point |
| Flammable (Explosive) Limits | Combustible |
| Ignition Temperature | Formula |

10. STABILITY AND REACTIVITY

Reactivity

Will not occur

Chemical stability

Stable under normal use conditons. Decomposes on exposure to acid fumes and at elevated temperatures.

Possibility of hazardous reactions

Oxides of carbon, oxides of nitrogen, oxides of sulphur, ammonia fumes and nitrogen.

Conditions to avoid

Incompatible materials, excess heat, dust generation, high temperatures.

Incompatible materials

Strong oxidising agents, strong reducing agents, strong acids.

11. TOXICOLOGICAL INFORMATION

Acute effects

Oral: LD50 (rat): 143 mg/kg; LDLO (human): 143 mg/kg

Eye contact

May cause eye irritation

Skin contact

May be harmful by skin absorption. May cause skin irritation, sensitisation, an allergic reaction, which becomes evident upon reexposure to this material.

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.

Toxicity and irritation

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

Ecotoxicity

Quantitative data on the ecological effect of this product are not available.

Persistence and degradability

No persistence/degradability data available for this product

Bioaccumulative potential

No further data available

Other adverse effects

No further data available

13. DISPOSAL CONSIDERATIONS

General information

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.

14. TRANSPORT INFORMATION

ADG label required

HAZCHEM

May evolve irritating and toxic fumes in fire including nitrogen and sulphur oxides. May burn but do not ignite readily.

| | |
|-------------------------------|--|
| UN Number | Not available |
| Proper shipping name | Not available |
| Transport hazard class | Not available |
| Packing group | Not available |
| Environmental hazard | Not available |
| Special precautions for users | Not available |
| Additional information | Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. |

15. REGULATORY INFORMATION

Poisons Schedule Number

S7

Other 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.

16. OTHER INFORMATION

SDS preparation date

30 March 2022

Comments

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.

References

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Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011.
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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]'

This Safety Data Sheet (SDS) has been prepared in compliance with the Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice February 2016. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. The information published in this SDS has been compiled from the publications listed in Section 16: to the best of our ability and knowledge these publications are considered accurate. We reserve the right to revise Safety Data Sheets as new information

becomes available. Copies may be made for non-profit use.

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