

Material Safety Data Sheet

CONGO RED INDICATOR GRADE

Infosafe™ JXFIC Issue Date July 2007 Status ISSUED by BS: 1.10.9
No. AJAXFC

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name CONGO RED INDICATOR GRADE
Product Code A11050
Company Name Ajax Finechem (ABN 64 121 927 786)
Address 17/21 Bay Road Taren Point
NSW 2229
Emergency Tel. 1800 638 556 (24 hr) Aust / (NZ): 0800 154 666
**Telephone/Fax
Number** Tel: 1300 884 078
Recommended Use Dye; medicine (antidote); indicator; biological stain.

Other Names	Name	Product Code
	CONGO RED	2353
	CONGO RED	10250

**Other
Information** NEW ZEALAND: Ajax Finechem (NZ) Ltd
150B Harris Road, East Tamaki, Auckland
Phone (09) 273 4343
Fax (09) 273 4341
Emergency Advice (NZ): Phone 0800 154 666

2. HAZARDS IDENTIFICATION

**Hazard
Classification** Australia:
Classified as Hazardous according to criteria of National
Occupational Health & Safety Commission (NOHSC), Australia.
Not classified as Dangerous Goods according to the Australian
Code for the Transport of Dangerous Goods by Road and Rail.

New Zealand:

Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:1999 Transport of Dangerous Goods on Land.

HSNO Classification:

6.7A - Substance that is a known or presumed human carcinogen.
6.8B - Substance that is a suspected human reproductive or developmental toxicant.

Risk Phrase(s) R63 Possible risk of harm to the unborn child.
R45(2) May cause cancer.

Safety Phrase (s) S22 Do not breathe dust.
S45 In case of accident or if you feel unwell seek medical advice immediately
S53 Avoid exposure - obtain special instructions before use.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition

C.I. Direct Red 28

Ingredients	Name	CAS	Proportion
	Congo Red	573-58-0	100 %

4. FIRST AID MEASURES

Inhalation If inhaled, remove to fresh area. Keep at rest until recovered. If symptoms persist seek medical attention.

Ingestion If swallowed do not induce vomiting. Wash out mouth and lips thoroughly with water. Seek medical attention.

Skin Wash with water and soap. If irritation develops seek medical attention.

Eye If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.

First Aid Facilities Eye wash and normal washroom facilities.

Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Foam, dry chemical powder, carbon dioxide, water spray or water fog.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide, oxides of nitrogen and oxides of sulphur.
Specific Hazards	Combustible solid; will readily burn under fire conditions. The finely divided dust, in sufficient quantity, may form flammable/explosive mixtures with air. Dust clouds may present an explosion hazard in the presence of an ignition source. To prevent static discharge all equipment must be adequately grounded.
Precautions in connection with Fire	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective clothing to prevent exposure to vapours, fumes or products of combustion. Water spray may be used to cool down heat-exposed containers. If safe to do so, remove containers from path of fire.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Wear appropriate personal protective equipment and clothing to prevent inhalation and eye exposure. Sweep up material avoiding dust generation or where possible use dustless methods such as vacuum to collect the material and transfer into suitable labelled containers for subsequent recycling or disposal. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations. Dispose of waste according to applicable local and national regulations.
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7. HANDLING AND STORAGE

Precautions for Safe Handling	Wear appropriate protective equipment to prevent inhalation and eye exposure. Use in designated areas with adequate ventilation. Prevent the creation of dust in the work atmosphere. Keep containers closed when not in use. Practice good personal hygiene, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.
Conditions for Safe Storage	Store in a cool, dry, well-ventilated area away from heat, sources of ignition, and oxidising and reducing agents. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure standards have been established for this substance by the Australian National Occupational Health & Safety Commission (NOHSC) or the Occupational Safety and Health Service
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(OSH) of the New Zealand Department of Labour. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

The exposure limits for dust not otherwise specified are as follows:

Australian National Occupational Health And Safety Commission (NOHSC) exposure standards:

Dust TWA 10 mg/m³ (inspirable fraction)

New Zealand Workplace Exposure Standards (OSH):

Dust TWA 10 mg/m³ (inspirable fraction); TWA 3 mg/m³ (respirable fraction)

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

Biological

Limit Values No biological limit allocated.

Engineering Controls

Good ventilation adequate to maintain the concentration below exposure standards is required. Where dust is generated, a local exhaust ventilation system, drawing dust away from workers' breathing zone, must be used. Alternatively, a process enclosure system such as a fume cupboard can be employed.

Respiratory Protection

Where ventilation is inadequate, the use of an Air Purifying Respirator with a particulate/dust filter complying with AS/NZS 1715 and AS/NZS 1716 is required.

Eye Protection

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear laminated film or other suitable, impervious gloves conforming to AS/NZS 2161: Occupational protective gloves.

Body Protection

Suitable protective clothing should be worn e.g. cotton overalls buttoned at neck and wrist.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Brownish-red powder.

Melting Point >360°C

Boiling Point Not available

Solubility in Water Slightly soluble

Specific Gravity Not available

Vapour Pressure Not available

Vapour Density (Air=1) Not available

Flash Point Not applicable

Flammability Combustible solid.

Auto-Ignition Temperature Not available

Flammable Limits - Lower Not available

Flammable Limits - Upper Not available

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions of handling and storage.

Incompatible Materials Strong oxidizing agents, strong reducing agents and acids. Decomposes on exposure to acid fumes.

Hazardous Decomposition Products Thermal decomposition products include carbon monoxide, carbon dioxide, oxides of nitrogen and oxides of sulphur.

Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information Not available

Inhalation May cause irritation to the mucous membrane and upper airways. Symptoms of exposure can include nausea, headaches, coughing and breathing difficulties.

Ingestion May cause cancer. Ingestion may cause irritation to the mouth, oesophagus and stomach. Symptoms of exposure may include headaches, nausea, vomiting and abdominal pain.

Skin Skin contact may cause irritation, which can result in redness, itchiness and possible dermatitis.

Eye May be irritating to eyes. Eye contact may cause tearing, stinging, blurred vision, and redness.

Chronic Effects May cause cancer. Possible risk of harm to the unborn child. This product is classified by NOHSC, Australia as a Carcinogen Category 2, that is, a substance that should be regarded as a human carcinogen. This product is classified by HSNO, New Zealand as a hazardous substance 6.7A, that is, a substance that is a known or presumed human carcinogen. This product has also been identified as causing possible harm to the unborn child.

12. ECOLOGICAL INFORMATION

Ecotoxicity Not available

Persistence / Degradability Not available

Mobility Not available

Bioaccumulative Potential Not available

13. DISPOSAL CONSIDERATIONS

Disposal Considerations The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information Australia:
Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

New Zealand:
Not classified as Dangerous Goods for transport according to the NZS 5433:1999 Transport of Dangerous Goods on Land.

15. REGULATORY INFORMATION

Regulatory Information Australia:
Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

Poisons Schedule Not Scheduled

National and or International Regulatory Information New Zealand:
Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
ERMA Approval Code: HSR004405; C.I. Direct red 28.

Hazard Category Toxic

AICS (Australia) All constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

**Date of
preparation or
last revision
of MSDS**

MSDS Reviewed: July 2007
Supersedes: August 2002

**Contact
Person/Point**

For further information contact Tom Sadler on 1300 884 078 during business hours. In case of emergency call Australia 1800 638 556/ New Zealand 0800 154 666.

IMPORTANT ADVICE: This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Ajax Finechem Pty Ltd. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.

**Empirical
Formula &
Structural
Formula**

C32H24N6O6S2.Na

End of MSDS

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