

Material Safety Data Sheet

PHENOL RED

Infosafe™ JXFM5 **Issue Date** November 2007 **Status** ISSUED by BS: 1.10.9
No. AJAXFC

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name PHENOL RED

Product Code 10224

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 Acid-base (pH) indicator useful in the pH range 6.8 (yellow) - 8.4 (red); analytical reagent; diagnostic agent for measuring kidney function (injected intramuscularly or intravenously) and intestinal absorption of drugs (taken orally). Commonly used as the water-soluble sodium salt or as a solution in dilute sodium bicarbonate or sodium hydroxide.

Other Names	Name	Product Code
	PHENOL RED	2300

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:
Not 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:

Not 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.

Safety Phrase

(s) S22 Do not breathe dust.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Phenol red	143-74-8	100 %

4. FIRST AID MEASURES

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

Ingestion If swallowed do not induce vomiting. Wash out mouth with water.
If symptoms develop 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. If irritation
develops, 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 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.

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 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 the mixture by the Australian National Occupational Health & Safety Commission (NOHSC) or the Occupational Safety and Health Service (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, should be used.
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 recommended.
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	Crystalline powder; bright to dark red; odourless.
Melting Point	Not available
Boiling Point	Not available
Solubility in Water	Approximately 0.7 g/L water; freely soluble in alkaline liquid media.
Solubility in Organic Solvents	About 3 g/L alcohol; about 2 g/L acetone; almost insoluble in chloroform, ether and alkanes.
Specific Gravity	Not available
pH Value	Not available
Vapour Pressure	Not available
Flash Point	Not available
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, strong acids and strong bases.

**Hazardous
Decomposition
Products**

Thermal decomposition products include carbon monoxide, carbon dioxide and oxides of sulphur.

**Hazardous
Polymerization**

Will not occur.

11. TOXICOLOGICAL INFORMATION

**Toxicology
Information**

Not available

Inhalation

Inhalation of dust may result in respiratory irritation.

Ingestion

Ingestion of this product may irritate the gastric tract, causing nausea and vomiting.

Skin

Contact with skin may cause mild irritation.

Eye

Eye contact may cause irritation.

Chronic Effects

Prolonged or repeated exposure to dust by inhalation may lead to respiratory disorders.

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:
Not 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:
Not classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

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: October 2007
Supersedes: October 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.

End of MSDS

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