

Qualifire
Material Safety Data Sheet



QRT-100
MSDS-W03
Version 02
Effective Date 01/12/2011

1. MATERIAL AND COMPANY IDENTIFICATION

Material Name	QRT-100 Interior/Exterior Timber Fire Retardant
Uses	Fire retardant treatment designed to retard the spread of flame and fire in timber. Normally applied by spray, brush or roller. For use as fire retardant in-situ or workplace. To be sealed by approved sealer.
Safety	Not classified as hazardous according to the criteria of Worksafe Australia.
Product Code	QRT-100
Company	Qualifire
MSDS Request	+61 8 7000 3183
HAZCHEM	None Allocated
PACK GRP	None Allocated
POISON (SUSDP)	None Allocated
DG CLASS	None Allocated
E.G.P.	Not Required
SUB Risk	None Allocated
CAS No.	None Allocated
VOC	0 – (Zero)
Emergency Telephone Number	
South Australia only	13 11 26
Other States & Countries	Local Poisons Information Centre or Hospital

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Entity</u>	<u>CAS No.</u>	<u>Proportion%</u>
Propriety fire retardants ingredients determined not to be hazardous.	mixture	3 - 10
Poly phosphate ingredients determined not to be hazardous	mixture	10 - 30
Water	7732-18-5	Balance

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance and Odour	:	Colourless. Liquid. Slight odour
Health Hazards	:	WARNING! MAY CAUSE IRRITATION TO MOUTH AND THROAT IF SWALLOWED.
Safety Hazards	:	May cause irritation to mouth & throat
Environmental Hazards	:	None specified

HEALTH HAZARDS

Inhalation	Inhalation of the vapour or mist can cause irritation of the nose, throat and lungs and cause headaches and nausea.
Skin Contact	Direct contact with skin may cause slight irritation
Eye Contact	Direct contact with eye may cause irritation
Ingestion	If swallowed, may cause irritation to mouth and throat – consult a Medical Practitioner.
Other Information	If large amounts are swallowed, do not induce vomiting and seek medical attention.
Signs & Symptoms	Eye irritation signs and symptoms may include a burning or itching sensation, redness, swelling and/or blurred vision. Skin, mouth or throat irritation may include a burning or itching sensation, redness, swelling and/or blisters.

4. FIRST AID MEASURES

General Information	Keep victim calm. Obtain medical treatment immediately.
Inhalation	Move affected person to fresh air. If unwell consult with a Medical Practitioner.
Skin Contact	After contact with skin, wash thoroughly with soap and water. Consult a doctor if irritation persists.
Eye Contact	In case of contact with eyes, rinse immediately in an eye bath with plenty of water. Consult a Doctor if irritation persists.
Ingestion	If swallowed, give two (2) glasses of water to drink. Consult a doctor. Never give anything my mouth to an unconscious person.
Advice to Physician	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Non-Flammable Material Used

Flash Point	Not Applicable
Explosion/Flammability limits in air.	Not Applicable
Auto ignition temperature	Not Applicable
Specific Hazards	Not Applicable
Extinguishing Media	Use extinguishing methods appropriate to surrounding fire.
Protective Equipment for Firefighters	Personal protective equipment – wear self contained breathing apparatus
Additional Advice	Combustion Products – Oxides of carbon and nitrogen, ammonia, phosphoric acid.

6. ACCIDENTAL RELEASE MEASURES

Avoid contact with spilled or released material. Immediately remove all contaminated clothing. Wear plastic apron, boots, chemical resistant gloves and safety goggles. Sweep up spill, transferring residue to a salvage container. Hold for disposal. Floor may be slippery, use care to prevent falling.

7. HANDLING AND STORAGE

General Precautions	Avoid breathing of or contact with material. Only use in well ventilated areas. Wash thoroughly after handling.
Handling	Avoid inhaling vapour and/or mists. Avoid contact with eyes, skin or clothing. Handling temperature: Ambient.
Storage	Storage temperature: Recommended minimum of 5 deg C to a maximum of 35 deg C.
Transport	Not classified as dangerous goods. No special procedures required. No EPG (Emergency Procedure Guide).

8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

Engineering Controls

Good ventilation required. Ensure a minimum capture velocity of 0.5 m/sec at point of application – use local exhaust ventilation in confined areas where applying by spray methods. Refer to Australian Standards AS 1668.

Personal Protection

Respiratory Protection: When applying by spray and Australian Standard approved air purifying respirator (cartridge – ammonia/methylamine) is recommended. Whenever workplace conditions warrant respiratory protection, protection must conform to the requirements of AS1715 and AS 1716. Eye protectors, goggles conforming to AS1337 are recommended to prevent splashes entering the eyes. Wear PVC or Neoprene chemically resistant gloves to prevent prolonged exposure and when handling large spills.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	Clear Liquid
Boiling Point	100+ C (water is solvent)
Melting Point	-0 C (water is solvent)
Vapour Pressure	17.5mm Hg @ 20 degrees Celsius
Specific Gravity	1.02 to 1.12
Flash Point	Non Combustible
Flammability Limits	Not Applicable
Solubility in Water	Miscible with water

Other Properties

Auto Ignition Temperature	Not Applicable
VOC	0 – (Zero)
Rel Vapour Density	(Air = 1) < 1 (water)
pH	Neutral
% Volatile by volume	70 to 85

10. **INGREDIENTS**

<u>Chemical Entity</u>	<u>CAS No.</u>	<u>Proportion%</u>
Proprietary fire retardants ingredients determined not to be hazardous.	mixture	3 - 10
Poly phosphate ingredients determined not to be hazardous	mixture	10 - 30
Water	7732-18-5	Balance

11. OTHER INFORMATION

MSDS Version No.
MSDS Effective Date
MSDS Distribution

Disclaimer

W03- Version 1
01 July, 2008

The information in this document should be made available to all who handle the product.
The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of this data or the results to be obtained from the use of the product.

Qualifire
RSD 490
Main Road
FINNISS SA 5255
Tel: (08) 7000 3183 Fax: (08) 8340 9903