

Material Safety Data Sheet

PR64

SECTION I

Manufacturer's Name AquaScience Research Group, Inc.		Emergency Telephone Number 816/842-5936	
Address (Number, Street, City, State and ZIP Code) 1100 Gentry Street, North Kansas City, Missouri 64116 USA			
Chemical Name and Synonyms 2-methylquinoline		CAS Registry Number 91-63-4	
Trade Name and Synonyms AquaVet Quinaldine			
Chemical Family Organic heterocycle		Formula $C_{10}H_9N$	

SECTION II - HAZARDOUS INGREDIENTS

Paints, Preservatives, and Solvents	%	TLV(Units)	Alloys and Metallic Coatings	%	TLV(Units)
Pigments Not applicable (= N/A)			Base Metal N/A		
Catalysts N/A			Alloys N/A		
Vehicle N/A			Metallic Coatings N/A		
Solvents N/A			Filler Material Plus Coating or Core Flux N/A		
Additives None			Others None		
Others None					
Hazardous Mixtures of Other Liquids, Solids or Gases				%	TLV(Units)
None					

SECTION III - PHYSICAL DATA

Boiling Point (degrees-F) 248°C (478°F)	Specific Gravity (20°C/4°C) 1.058
Vapor Pressure (mmHg) No information found	Percent Volatile by Weight (%) 100

Vapor Density (Air=1) No information found	Evaporation Rate No information found
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Solubility in Water
Practically insoluble in water

Appearance and Odor
Colorless to amber liquid with quinoline odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) 101°C (214°F)	Flammable Limits No information found	Lel	Uel
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Extinguishing Media
Dry chemical, foam or carbon dioxide.

Special Fire Fighting Procedures
Wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards
None

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value Not established	Permissible Exposure Limit Not established
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Effects of Overexposure Inhalation: vapor or mist is irritating to mucous membranes and upper respiratory tract. Ingestion: harmful if swallowed. Skin: harmful if absorbed through skin; causes irritation. Eye: causes eye irritation.

Emergency First Aid Procedures Inhalation: remove to fresh air; if not breathing give artificial respiration; if breathing is difficult give oxygen; call a physician. Ingestion: call a physician immediately. Skin: remove contaminated clothing; wash skin with soap and water for at least 15 minutes; get medical attention. Eyes: wash with plenty of water for at least 15 minutes; get immediate medical attention.

SECTION VI - REACTIVITY DATA

Stability	Unstable	Conditions to Avoid Hygroscopic becomes reddish brown on exposure to air.
	Stable X	

Incompatibility (Materials to Avoid)
Strong oxidizers.

Hazardous Decomposition Products
Forms carbon dioxide and nitrogen oxides when heated to decomposition.

HAZARDOUS Polymerization	May Occur	Conditions to Avoid
	Will Not Occur X	

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled: Ventilate area. Remove all sources of ignition. Clean-up personnel require protective clothing and respiratory protection from vapors. Contain and recover liquid if possible. Collect as hazardous waste and incinerate in a suitable RCRA approved combustion chamber, or absorb with vermiculite. Waste Disposal Method: sand, earth or similar material for disposal as a hazardous waste in a RCRA approved facility. Do not flush to sewer!

SECTION VIII - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): NIOSH approved for conditions of use where exposure to the vapor is apparent, a half mask chemical cartridge respirator may be worn. For emergency a self-contained breathing apparatus may be worn.

Ventilation	Local Exhaust recommended	Special
	Mechanical (General)	Other

Protective Gloves Rubber or plastic	Eye Protection Chemical safety goggles and/or a full face shield.
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Other Protective Equipment

Wear impervious clothing to protect skin from splash or spill.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing

Protect against physical damage. Outside or detached storage is recommended. For inside storage use a standard flammable liquids storage cabinet. Keep away from oxidizers.

Other Precautions

SECTION X - REMARKS

Sold for use as a chemical anesthetic for use on non-game and non-food fishes and for aquarium fishes.

SECTION XI - DISCLAIMER

The above information is believed to be correct, but should only be used as a guide. AquaScience Research Group, Inc. disclaims any express or implied warranty as to the accuracy of the above information and shall not be held liable for any direct, incidental or consequential damages resulting from reliance on the above information.

SECTION XII - HHS PREPARATION INFORMATION

Prepared by
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