

MATERIAL SAFETY DATA SHEET

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QUIN

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MYRON L COMPANY 2450 IMPALA DRIVE, CARLSBAD, CA 92010

INFORMATION PHONE #: (760) 438-2021, contact either Jerry Adams or Gary Robinson

BUSINESS HOURS: Monday through Friday 7:00 a.m.-3:30 p.m. (Pacific Time)

This and additional Myron L Material Safety Data Sheets (MSDS) are available on the World Wide Web at: <http://www.myronl.com>

CHEMICAL NAME: Quinhydrone

CATALOG NUMBERS: ORP80, ORP260, QUIN, ORPCALKIT

TRADE NAME & SYNONYMS: 2,S-Cyclohexadiene-1,4-dione, comp. with 1,4-benzenediol (1:1); p-Benzoquinone compd. with hydroquinone; green hydroquinone

CHEMICAL FAMILY: N/A

CAS #: #106-34-3

CHEMICAL FORMULA:

$C_6H_6O_2 / C_6H_4O_2$

SECTION 2 PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT, 760 mm Hg (°C)	sublimates	SPECIFIC GRAVITY	1.4000g/cm ³
FREEZE POINT (°C)	N/A	SOLUBILITY IN H₂O, % BY WT. @ 20°C	slightly in water
VAPOR PRESSURE @ 20°C	N/A	APPEARANCE AND ODOR	Dark Green Crystalline
VAPOR DENSITY	N/A		
PERCENT VOLATILES BY VOLUME	0	MELTING POINT	172°F
		EVAPORATION RATE	N/A

SECTION 3 FIRE FIGHTING MEASURES

FLASH POINT (TEST METHOD)	Not Available	FLAMMABLE LIMITS	N/A	Lel	N/A	Uel	N/A
EXTINGUISHING MEDIA Dry chemical, alcohol foam or carbon dioxide. Water or foam may cause frothing.							
SPECIAL HAZARDS & PROCEDURES May pose a fire hazard when exposed to heat, flame, or oxidizing agents.							
UNUSUAL FIRE & EXPLOSION HAZARDS Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.							

SECTION 4 STABILITY AND REACTIVITY

STABILITY: Product is stable under normal conditions of use and storage.	CONDITIONS TO AVOID Heat; Flame; Ignition sources; Incompatibles Light and Air
REACTIVITY: Hazardous polymerization will not occur.	MATERIALS TO AVOID X WATER X ACIDS X BASES OTHER SPECIFY Sodium hydroxide, strong alkalis, and oxidizers

SECTION 5 ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Use proper personal protective equipment as specified in Section 8. Vacuum or sweep up material for disposal in a closed container. Restrict airborne dust.

SECTION 6 HAZARDS IDENTIFICATION

THRESHOLD LIMIT VALUE: 2 mg/m³ (ppm)
EFFECTS OF OVEREXPOSURE: May cause respiratory, digestive tract, eye, and skin irritation.
ROUTES OF ENTRY: Inhalation, ingestion, eye contact and skin contact.
CARCINOGENICITY: Material is not listed (ACGIH, IARC, NIOSH, NTP or OSHA) as a cancer causing agent.

SECTION 7 FIRST AID MEASURES

FIRST AID PROCEDURES:

EYE CONTACT:

Immediately flush eyes with water, lifting upper and lower eyelids for at least 15 minutes. Seek medical attention.

SKIN CONTACT:

Wash thoroughly with soap and water. Seek medical attention if irritation develops or persists.

INGESTION:

Do not induce vomiting. If conscious, give water. Do NOT give anything by mouth to an unconscious person. Seek medical attention immediately.

QUIN

SECTION 8 PERSONAL PROTECTION

RESPIRATORY PROTECTION: Recommended if exposure limit is exceeded. Avoid directly breathing chemical.
VENTILATION: Use general or local exhaust ventilation to meet TLV requirements.
EYE PROTECTION: Recommended safety glasses and face shield.
PROTECTIVE GLOVES: Recommended general purpose rubber gloves.
PROTECTIVE CLOTHING: Recommended protective clothing to prevent skin exposure.

SECTION 9 HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin and clothing. Keep container tightly closed and do not inhale or ingest.
STORAGE: Isolate from Incompatible substances in a cool, dry, dark well ventilated area. Keep in tightly closed container away from direct sunlight.

SECTION 10 TOXICOLOGICAL INFORMATION

TOXICITY DATA: LD50 (oral-Rat) (225 mg/kg)
TOXICOLOGICAL FINDING: No data available.

SECTION 11 DISPOSAL CONSIDERATIONS

EPA WASTE NO. AND DISPOSAL TREATMENT: No classification determined.
NOTE: Always contact a permitted waste disposer (TSD) to assure compliance and accordance with federal, state, and local regulations.

SECTION 12 TRANSPORT INFORMATION

DOT Shipping Name..... Toxic Solid, Organic, N.O.S. (Quinhydrone)
DOT Number.....UN2811 Hazard Class: 6.1 packaging group: III

SECTION 13 REGULATORY INFORMATION

TSCA INVENTORY: THE CAS NUMBER OF THIS PRODUCT IS LISTED ON THE TSCA INVENTORY.

COMPONENT N/A
SARA EHS (302) N/A
SARA EHS TOQ (LBS) N/A
CERCLA RQ (LBS) N/A
OSHA FLOOR LIST N/A
SARA 313 N/A
DeMinimis for SARA 313 (%) N/A

SECTION 14 OTHER INFORMATION

DISCLAIMER: This information is believed to be accurate and represents the best information currently available to us; however, we make no warranty of merchantability, or fitness for any particular use, or any other warranty, expressed or implied, with respect to this information, and we assume no liability resulting from the use of this information. Users should make their own investigations to determine the suitability of the information for their particular needs and purposes.

NFPA Hazard Ratings
Health: 3 severe (poison)
Flammability: 2
Reactivity: 1
Special Hazards: N/A

MSDS APPROVED BY: Jerry D. Adams