

SAFETY DATA SHEET

Preparation & Last Date Printed: 07/08/22 REV: B

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QUIN

SECTION 1 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 7:00-3:30 p.m. (Pacific Time)

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

PRODUCT: Quinhydrone Reagent

CATALOG NUMBERS: ORP80, ORP260, QUIN, ORPCALKIT

SECTION 2 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

THIS MATERIAL IS CONSIDERED HAZARDOUS, CAUTION, HANDLE WITH CARE.

POTENTIAL HEALTH EFFECTS

EFFECTS OF OVEREXPOSURE: MAY CAUSE RESPIRATORY, DIGESTIVE TRACT, EYE, AND SKIN IRRITATION. HARMFUL IF SWALLOWED.

ROUTES OF ENTRY: INHALATION, INGESTION, EYE CONTACT AND SKINCONTACT.

CARCINOGENICITY: MATERIAL IS NOT LISTED (IARC, NTP, OSHA) AS A CANCER CAUSING AGENT.

GHS Pictograms



SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME: Quinhydrone

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: C₆H₆O₂ / C₆H₄O₂

SECTION 4 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.

SECTION 5 FIRE-FIGHTING MEASURES

FLASH POINT (TEST METHOD)	NOT AVAILABLE	FLAMMABLE LIMITS	N/A	LeI	N/A	UeI	N/A
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EXTINGUISHING MEDIA DRY CHEMICAL, ALCOHOL FOAM OR CARBON DIOXDE. WATER OR FOAM MAY CAUSE FROTHING.

SPECIAL HAZARDS & PROCEDURES MAY POSE A FIRE HAZARDS 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 HAZARDS.

SECTION 6 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 7 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.

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SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

THRESHOLD LIMIT VALUE:	2 mg/m ³ (ppm)
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 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	EVAPORATION RATE	N/A
MELTING POINT	172°F	pH:	N/A

SECTION 10 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 11 TOXICOLOGICAL INFORMATION

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

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY: Toxicity to daphnia and other aquatic invertebrates.
OTHER ADVERSE EFFECTS: Discharge into the environment must be avoided.

SECTION 13 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 14 TRANSPORT INFORMATION

DOT Shipping Name.....Toxic Solid, Organic, N.O.S. (Quinhydrone)
DOT Number.....UN2811 Hazard Class: 6.1 packaging group: III
IATA/ICAO.....UN2811 toxic solid, organic, N.O.S.(Quinhydrone)
Class: 6.1 packaging group: III

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SECTION 15	REGULATORY INFORMATION
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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 16	OTHER INFORMATION
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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, express 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

SDS APPROVED BY: 