

SAFETY DATA SHEET

Preparation Date: 06/15/2015

Revision Date: 07/30/2018

Revision Number: G2

1. IDENTIFICATION

Product identifier

Product code: HY113
Product Name: HYDROQUINONE, USP

Other means of identification

Synonyms: 1,4-Benzenediol
1,4-Dihydroxy-benzeen [Dutch]
1,4-Dihydroxy-benzol [German]
1,4-Dihydroxybenzen [Czech]
1,4-Dihydroxybenzene
1,4-Diidrobenzene [Italian]
4-Hydroxyphenol
Benzene, p-dihydroxy-
Benzoquinone
Benzoquinol
Black and White Bleaching Cream
Derma-Blanch
Eldopaque
Eldopaque Forte
Eldoquin
Eldoquin Forte
Hydroquinone
Hydrochinon [Czech, Polish]
Hydroquinol
Hydroquinole
Hydroquinone
Idrochinone [Italian]
Phiaquin
Pyrogentic acid
Quinol
Solaquin Forte
Tecquinol
Tequinol
p-Benzenediol
p-Dihydroxybenzene
p-Dioxybenzene
p-Hydroquinone
p-Hydroxyphenol
para-Dihydroxybenzene
para-Dioxybenzene
para-Hydroquinone
CAS #: 123-31-9
RTECS # MX350000
CI#: Not available

Recommended use of the chemical and restrictions on use

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Recommended use: In photography. Dyes. Paints. Motor fuels. Synthesizing polymers. Medicinal products.

Uses advised against No information available

Supplier: Spectrum Chemical Mfg. Corp
14422 South San Pedro St.
Gardena, CA 90248
(310) 516-8000

Order Online At: <https://www.spectrumchemical.com>

Emergency telephone number Chemtrec 1-800-424-9300

Contact Person: Martin LaBenz (West Coast)

Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Germ cell mutagenicity	Category 2

Label elements

Danger

Hazard statements

Harmful if swallowed

Causes skin irritation

Causes serious eye damage

May cause an allergic skin reaction

Suspected of causing genetic defects

Suspected of causing cancer



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Not available

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Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN: Wash with plenty of water
Take off contaminated clothing and wash it before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Hydroquinone	123-31-9	100

4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention. If symptoms persist, call a physician.

Eye Contact: Flush eyes with water for 15 minutes. Immediate medical attention is required. Call a physician immediately.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms
Causes skin irritation
Causes serious eye irritation
May cause corneal opacity
Inflammation of the eye is characterized by redness, watering and itching
May cause methemoglobinemia and cyanosis
May cause central nervous system effects
May affect the liver

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It may affect the kidneys
May cause an allergic skin reaction
May cause abdominal pain, nausea, vomiting, diarrhea
Depigmentation of skin

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical. Carbon dioxide (CO₂). Water spray. Foam.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide.

Specific hazards: May be combustible at high temperatures.

Special Protective Actions for Firefighters

Specific Methods: No information available.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Remove all sources of ignition.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

Methods for cleaning up Use appropriate tools to put the spilled solid in a suitable waste disposal container. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not ingest. Do not breathe dust. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Sensitive to light. Store in light-resistant containers. Store away from incompatible materials.

Incompatible Materials:

Oxidizing agents
Alkalis

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Hydroquinone	123-31-9	2 mg/m ³ TWA	2 mg/m ³ Ceiling 15 min	1 mg/m ³ TWA	None

Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Hydroquinone	123-31-9	2 mg/m ³ TWA	1 mg/m ³ TWA	None	None

Australia and Mexico

Components	CAS-No.	Australia	Mexico
Hydroquinone	123-31-9	2 mg/m ³ TWA	None

Appropriate engineering controls

Engineering measures to reduce exposure:

Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

- Eye protection:** Goggles
- Skin and body protection:** Long sleeved clothing
Chemical resistant apron

Gloves

Respiratory protection: Wear respirator with dust filter. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds) , inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid	Appearance: Crystals.	Color: White.
Odor: No information available.	Taste Sweet.	Formula: C6H6O2
Molecular/Formula weight (g/mole): 110.11	Flammability: No information available	Flash point (°C): 165°C
Flashpoint (°C/°F): 165°C/ 329°F	Flash Point Tested according to: Closed cup	Autoignition Temperature (°C/°F): 515.56°C/ 960°F
Lower Explosion Limit (%): No information available	Upper Explosion Limit (%): No information available	Melting point/range(°C/°F): 170-174°C/ 338-345.2°F
Decomposition temperature(°C/°F): No information available	Boiling point/range(°C/°F): 285-287°C/ 545-548.6°F	Bulk density: No information available
Density (g/cm3): No information available	Specific gravity: 1.332	pH: No information available
Vapor pressure @ 20°C (kPa): No information available	Evaporation rate: No information available	Vapor density: 3.81
VOC content (g/L): No information available	Odor threshold (ppm): No information available	Partition coefficient (n-octanol/water): 0.59
Viscosity: No information available	Miscibility: No information available	Solubility: Soluble in diethyl ether Soluble in Acetone Partially soluble in cold water Soluble in Alcohol Soluble in Carbon tetrachloride Solubility in water: 73,333 mg/l at 25°C

10. STABILITY AND REACTIVITY

Reactivity

Reactive with oxidizing agents
Reactive with alkalis

Chemical stability

Stability: Sensitive to light. Exposure to light accelerates decomposition. Stable under recommended storage conditions.

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Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Exposure to light. Incompatible materials.

Incompatible Materials: Oxidizing agents
Alkalis

Hazardous decomposition products: Carbon oxides.

Other Information

Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:

Skin. Inhalation. Ingestion.

Acute Toxicity

Component Information

Hydroquinone
CAS-No. 123-31-9

LD50/oral/rat = 298 mg/kg Oral LD50 Rat(LOLI)
mg/kg(RTECS)
(European Chemicals Bureau IUCID dataset)
LD50/oral/mouse = 245-350 mg/kg (RTECS)
245-400 mg/kg (European Chemicals Bureau IUCLID dataset)
LD50/dermal/rabbit = 74800 mg/kg Dermal LD50 Rabbit
LD50/dermal/rat = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50 information = 550 mg/kg Oral LD50 Guinea pig
>1000 mg/kg Dermal LD50 Guinea pig

Product Information

LD50/oral/rat =
VALUE- Acute Tox Oral = 302 mg/kg

LD50/oral/mouse =
Value - Acute Tox Oral = 245 mg/kg

LD50/dermal/rabbit
VALUE-Acute Tox Dermal = 74800 mg/kg

LD50/dermal/rat
VALUE -Acute Tox Dermal = > 900 mg/kg

LC50/inhalation/rat
VALUE-Vapor = No information available

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VALUE-Gas = No information available
VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse

VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Causes skin irritation. Moderately to strongly irritating. Causes a rash and changes in skin color.

Eye Contact: Causes serious eye irritation. May cause corneal ulceration.

Inhalation May cause irritation of respiratory tract.

Ingestion Harmful if swallowed. Amounts of 1 gram or more can cause pallor, tinnitus, abdominal cramps, nausea, vomiting, diarrhea, dizziness, twitching, delirium, tremors, excitement, convulsions, muscle contraction or spasticity, ataxia, headache, a sense of suffocation, breathing difficulty, methemoglobinemia (an increase in the level of methemoglobin in the blood which decreases the amount of oxygen in the blood), cyanosis (a bluish discoloration of the skin, lips, nails due to deficient oxygenation of the blood), increased pulse rate, cardiovascular collapse, coma. It may also affect the liver, kidney damage (urine may turn a green or brown-green color which darkens upon standing), bronchopneumonia. Ingestions in the range of 5 to 12 grams have been fatal.

Aspiration hazard No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity Skin: It is a sensitizer and may cause dermatitis upon repeated or prolonged skin contact. Repeated skin contact causes depigmentation similar in appearance to vitiligo.
Eyes: Prolonged or repeated exposure to dust at airborne concentrations in the range of 10 to 30 mg/m³ can cause staining of the conjunctiva, corneal opacity, alterations in the corneal curvature as well as pitting and erosion of the corneal surface. These conditions require at least 5 years of exposure to develop, but may persist for some time after removal from exposure.
Inhalation: Prolonged or repeated inhalation may cause respiratory tract irritation and decreased pulmonary function.
Ingestion: Prolonged or repeated ingestion may cause weight loss, changes in red blood cell count, normocytic or aplastic anemia, atrophy of the liver, and photosensitization, It may also affect the kidneys and behavior/central nervous system (similar effects to acute ingestion), brain.

Sensitization: May cause sensitization by skin contact.

Mutagenic Effects: May affect genetic material
Mutations in microorganisms
Experiments with bacteria and/or yeast have shown mutagenic effects
Mutagenic effects in mammalian somatic cells
Sister Chromatid Exchange: Hamster ovary (RTECS)
Sister Chromatid Exchange (human lymphocyte)
Sister Chromatid Exchange (hamster embryo)

Carcinogenic effects: Suspected of causing cancer.

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Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Hydroquinone	123-31-9	Group 3 - Not Classifiable - Monograph 71 [1999] Supplement 7 [1987] Monograph 15 [1977]	A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity

No data is available

Reproductive Effects:

May cause adverse reproductive effects based on animal data
No information on reproductive toxicity effects on humans was found

Developmental Effects:

No information available

Teratogenic Effects:

No information available

Specific Target Organ Toxicity

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Target Organs:

Kidneys. Liver. Skin. Eyes.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects:

Aquatic environment. Very toxic to aquatic organisms.

Hydroquinone - 123-31-9

Freshwater Algae Data:

0.335 mg/L EC50 *Pseudokirchneriella subcapitata* 72 h 13.5 mg/L EC50 *Desmodesmus subspicatus* 120 h

Freshwater Fish Species Data:

0.044 mg/L LC50 *Oncorhynchus mykiss* 96 h flow-through 1 0.044 mg/L LC50 *Pimephales promelas* 96 h flow-through 1 0.1 - 0.18 mg/L LC50 *Pimephales promelas* 96 h static 1 0.17 mg/L LC50 *Brachydanio rerio* 96 h 1

Water Flea Data:

0.29 mg/L EC50 *Daphnia magna* 48 h

Persistence and degradability:

No information available

Bioaccumulative potential:

Potential for bioconcentration in aquatic organisms is low.

Mobility:

It is expected to have a moderate mobility in soil upon estimated Koc.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Hydroquinone	123-31-9	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No: UN3077
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (hydroquinone)
Hazard Class: 9
Subsidiary Class: No information available
Packing group: III
Emergency Response Guide Number: No information available
Marine Pollutant: No data available
DOT RQ (lbs): 100 lbs./454 kg
Special Provisions: No Information available
Symbol(s): [DOT]: (G) - Identifies proper shipping names for which one or more technical names of the hazardous material must be entered in parentheses, in association with the basic description.
Description: UN3077,Environmentally hazardous substance, solid, n.o.s. (Hydroquinone),9,PG III

TDG (Canada)

UN-No: UN3077
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (fluoxetine hydrochloride)
Hazard Class: 9
Subsidiary Risk: No information available
Packing Group: III
Marine Pollutant: No Information available
Description: UN3077,ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Hydroquinone),9,PG III

ADR

UN-No: UN3077
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (fluoxetine hydrochloride)
Hazard Class: 9
Packing Group: III
Subsidiary Risk: No information available
Description: UN3077 Environmentally hazardous substance, solid, n.o.s.(Hydroquinone),9,III

IMO / IMDG

UN-No: UN3077
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (fluoxetine hydrochloride)
Hazard Class: 9
Subsidiary Risk: No information available
Packing Group: III
Marine Pollutant: No information available
EMS: F-A

RID

UN-No: UN3077
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (fluoxetine hydrochloride)

Hazard Class: 9
Subsidiary Risk: No information available
Packing Group: III
Description: UN3077 Environmentally hazardous substance, solid, n.o.s.(Hydroquinone),9,III

ICAO

UN-No: UN3077
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (fluoxetine hydrochloride)
Hazard Class: 9
Subsidiary Risk: No information available
Packing Group: III
Description: UN3077,Environmentally hazardous substance, solid, n.o.s.(Hydroquinone),9,PG III

IATA

UN-No: UN3077
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (fluoxetine hydrochloride)
Hazard Class: 9
Subsidiary Risk: No information available
Packing Group: III
ERG Code: 9L
Special Provisions No information available
Description: UN3077,Environmentally hazardous substance, solid, n.o.s.(Hydroquinone),9,PG III

15. REGULATORY INFORMATION

International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Hydroquinone	123-31-9	PresentACTIV E	Present KE-02558	Present	Present (3)-543	Present	Present	Present 204-617-8

U.S. Regulations

Hydroquinone

- Massachusetts RTK: Present
- New Jersey RTK Hazardous Substance List: 1019
- New Jersey (EHS) List: 1019 500 lb TPQ
- New Jersey - Discharge Prevention - List of Hazardous Substances: Present
- Pennsylvania RTK: Environmental hazard
- Pennsylvania RTK - Environmental Hazard List Present
- Minnesota - Hazardous Substance List: Present
- New York Release Reporting - List of Hazardous Substances: 1 lb RQ
- Louisana Reportable Quantity List for Pollutants: Listed
- California Directors List of Hazardous Substances: Present

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Hydroquinone	123-31-9	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Hydroquinone	123-31-9	100 lb final RQ 45.4 kg final RQ	100 lb EPCRA RQ	None	None	1.0 % de minimis concentration

U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Hydroquinone	123-31-9	Not Applicable	Not Applicable

Canada

WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component
Hydroquinone
123-31-9 (100)

WHMIS 2015 Hazard Classification
Acute toxicity - Oral - Category 4: H302 Harmful if swallowed.;
Serious Eye Damage/Eye Irritation - Category 2: H319 Causes serious eye irritation.;
Skin sensitizers - Category 1: H317 May cause allergic skin reaction.;
Germ cell mutagenicity - Category 2: H341 Suspected of causing genetic defects.;
Combustible Dust - Category 1: May form combustible dust concentrations in air (factors such as combustibility and explosiveness of dusts including composition and shape and size of particles could cause substance to belong to 'Combustible dust' hazard class)

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

WHMIS 1988 Hazard Class

D1B Toxic materials
D2B Toxic materials

Components
Hydroquinone

WHMIS 1988
D1B,D2B

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
Hydroquinone	1 %

Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Hydroquinone	123-31-9	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Hydroquinone	123-31-9	Present
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Hydroquinone	123-31-9	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Hydroquinone	123-31-9	Acute toxicity - Oral - Acute Tox. 4: H302 Harmful if swallowed. (Minimum classification); Serious Eye Damage/Eye Irritation - Eye Dam. 1: H318 Causes serious eye damage.; Skin sensitizers - Skin Sens. 1: H317 May cause allergic skin reaction.; Germ cell mutagenicity - Muta. 2: H341 Suspected of causing genetic defects.; Carcinogenicity - Carc. 2: H351 Suspected of causing cancer.; Hazardous to aquatic environment - acute hazard - Aquatic Acute 1: H400 Very toxic to aquatic life. (M Factor: 10)604-005-00-4

EU - CLP (1272/2008)

R-phrase(s)

R22 - Harmful if swallowed.
R40 - Limited evidence of a carcinogenic effect
R41 - Risk of serious damage to eyes.
R43 - May cause sensitization by skin contact.
R50 - Very toxic to aquatic organisms.
R68 - Possible risk of irreversible effects.

S -phrase(s)

S 2 - Keep out of the reach of children.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Hydroquinone	123-31-9	Xn; R22 Carc.Cat.3; R40 Xi; R41 R43 N; R50 Muta.Cat.3; R68	2.5%<=C N; R50	S2 S26 S36/37/39 S61

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Xi - Irritant.
Xn - Harmful.
N - Dangerous for the environment.



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16. OTHER INFORMATION

Preparation Date: 06/15/2015
Revision Date: 07/30/2018
Prepared by: Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet