

Section 1. Product and Company Identification

**Product Name** Hydroquinone Monomethyl Ether  
**CAS Number** 150-76-5

**Parchem - fine & specialty chemicals**  
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Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**  
**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Acute toxicity, Oral (Category 4), H302  
Eye irritation (Category 2A), H319  
Skin sensitization (Category 1), H317  
Reproductive toxicity (Category 2), H361  
Acute aquatic toxicity (Category 2), H401  
Chronic aquatic toxicity (Category 3), H412

**GHS Label Elements**

**Pictograms:**



**Signal word:** Warning

**Hazard and precautionary statements**

**Hazard Statements**

H302 Harmful if swallowed.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H361 Suspected of damaging fertility or the unborn child.  
H401 Toxic to aquatic life.  
H412 Harmful to aquatic life with long lasting effects.

### Precautionary Statements

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink, or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.  
P405 Store locked up.  
P501 Dispose of contents/container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC) or not covered by GHS:** None

### Section 3. Composition / Information on Ingredients

**Common Name** Hydroquinone Monomethyl Ether  
**Synonym(s)** 4-Methoxyphenol; 4-Hydroxyanisole; MEHQ  
**Formula** C<sub>7</sub>H<sub>8</sub>O<sub>2</sub>  
**CAS Number** 150-76-5

COMPONENT	CAS NUMBER	CONCENTRATION
Hydroquinone Monomethyl Ether	150-76-5	≤ 100%

### Section 4. First Aid Measures

#### Description of first aid measures

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance.  
Move out of dangerous area.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration.  
Consult a physician.

**Skin contact:** Wash off with soap and plenty of water. Consult a physician.

**Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water.  
Consult a physician.

**Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labelling and/or in section 11.

**Indication of any immediate medical attention and special treatment needed:** No data available

#### Section 5. Firefighting Measures

##### **Extinguishing media**

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture:** Carbon oxides

**Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

**Further information:** No data available

#### Section 6. Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and materials for containment and cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections:** For disposal see section 13.

#### Section 7. Handling and Storage

**Precautions for safe handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

**Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): Non Combustible Solids

Section 8. Exposure Controls / Personal Protection

**Control parameters**

**Components with workplace control parameters**

Component	CAS Number	Value	Control Parameters	Basis
Mequinol	150-76-5	TWA	5.000000 mg/m <sup>3</sup>	USA ACGIH Threshold Limit Values (TLV)
	Remarks	Eye Irritation Skin damage		
		TWA	5 mg/m <sup>3</sup>	USA ACGIH Threshold Limit Values (TLV)
		Eye irritation Skin Damage		
		TWA	5.000000 mg/m <sup>3</sup>	USA NIOSH Recommended Exposure Limits

**Exposure controls**

**Appropriate engineering controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Personal protective equipment**

**Eye/face protection:** Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body Protection:** Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## Section 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

**Appearance**

**Form:** Crystalline

**Color:** White

**Odor:** Slight, phenol-like

**Odor Threshold:** No data available

**pH:** 5.1 at 30 g/l

**Melting point/range:** 54 - 56°C (129 - 133°F)

**Melting point/range:** 55 - 57°C (131 - 135°F) - lit.

**Initial boiling point and boiling range:** 243°C (469°F) - lit.

**Flash point (Closed Cup):** 132°C (270°F)

**Evaporation rate:** No data available

**Flammability (solid, gas):** No data available

**Upper/lower flammability or explosive limits:** No data available

**Vapor pressure:** < 0.1 hPa (< 0.1 mmHg) at 20°C (68°F)

**Vapor density:** No data available

**Relative density:** 0.58 g/cm<sup>3</sup> at 20°C (68°F)

**Water solubility:** 40 g/l at 25°C (77°F)

**Partition coefficient (n-Octanol/water):** log Pow: 1.34

**Auto-ignition temperature:** No data available

**Decomposition temperature:** No data available

**Viscosity:** No data available

**Explosive properties:** No data available

**Oxidizing properties:** No data available

**Other safety information**

Solubility in other solvents

Ethanol: 4.55 g/l at 20°C (68°F)

Benzene: 700 g/l at 20°C (68°F)

Acetone: 4.26 g/l at 20°C (68°F)

## Section 10. Stability and Reactivity

**Reactivity:** No data available

**Chemical stability:** Stable under recommended storage conditions.

**Possibility of hazardous reactions:** No data available

**Conditions to avoid:** No data available

**Incompatible materials:** Bases, Acid chlorides, Acid anhydrides, Oxidizing agents

**Hazardous decomposition products**

**Other decomposition products:** No data available

In the event of fire: see section 5

Section 11. Toxicological Information
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**Information on toxicological effects**

**Acute toxicity**

Inhalation: No data available

LD50 Dermal - Rat: > 2,000 mg/kg (Directive 67/548/EEC, Annex V, B.3.)

**Skin corrosion/irritation**

Skin - Rabbit

Result: No skin irritation

(OECD Test Guideline 404)

**Serious eye damage/eye irritation**

Eyes - Rabbit

Result: Moderate eye irritation

**Respiratory or skin sensitization**

Maximization Test (GPMT) - Guinea pig

Result: May cause sensitization by skin contact.

(OECD Test Guideline 406)

**Germ cell mutagenicity**

Human

lymphocyte

DNA inhibition

**Carcinogenicity**

**IARC:** No component of this product, present at levels greater than or equal to 0.1%, is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No component of this product, present at levels greater than or equal to 0.1%, is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** Some evidence of adverse effects on development, based on animal experiments.

**Specific target organ toxicity - single exposure:** No data available

**Specific target organ toxicity - repeated exposure:** No data available

**Aspiration hazard:** No data available

### Additional Information

**RTECS:** SL7700000

Depending on the intensity and duration of exposure, effects may vary from mild irritation to severe destruction of tissue. Prolonged or repeated exposure can cause damage to the eyes. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach - Irregularities - Based on Human Evidence

### Section 12. Ecological Information

#### Toxicity

Toxicity to fish LC50 - *Oncorhynchus mykiss* (rainbow trout): 28.5 mg/l (96 h)

Toxicity to daphnia and other aquatic invertebrates - EC50 - *Daphnia magna* (Water flea): 3 mg/l (48 h) (OECD Test Guideline 202)

Toxicity to algae ErC50 - *Pseudokirchneriella subcapitata* (green algae): 54.7 mg/l (72 h) (OECD Test Guideline 201)

NOEC - *Pseudokirchneriella subcapitata* (green algae): 2.96 mg/l (72 d) (OECD Test Guideline 201)

#### Persistence and degradability

Biodegradability: 86 % - Readily biodegradable (OECD Test Guideline 301C)

**Bioaccumulative potential:** Does not bioaccumulate.

**Mobility in soil:** No data available

**Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

### Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

### Section 14. Transport Information

**DOT (US):** Not dangerous goods

**IMDG:** Not dangerous goods

**IATA:** Not dangerous goods

### Section 15. Regulatory Information

**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.



**SARA 313 Components:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:** Acute Health Hazard, Chronic Health Hazard

**Massachusetts Right to Know Components**

Mequinol (CAS-No. 150-76-5)

Revision Date: 1994-04-01

**Pennsylvania Right to Know Components**

Mequinol (CAS-No. 150-76-5)

Revision Date: 1994-04-01

**New Jersey Right To Know Components**

Mequinol (CAS-No. 150-76-5)

Revision Date: 1994-04-01

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**HMIS Rating**

**Health:** 2\*

**Flammability:** 1

**Reactivity:** 0

**NFPA Rating**

**Health:** 2

**Flammability:** 1

**Reactivity:** 0

Section 16. Other Information

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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