

Section 1: Identification

Product Name	Mequinol
Commercial Name	Not available.
Product Use	For laboratory research purposes.
Restrictions On Use	Not for drug or household use.
Product Code	30-3544
Company	PCCA 9901 South Wilcrest Houston, TX 77099 Phone: 1-800-331-2498 Fax: 1-800-874-5760
	In case of emergency contact: CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com:	Acute Toxicity - Oral [Category 4] Skin Corrosion/Irritation [Category 2] Eye Damage/Irritation [Category 2A]
CFR 1910.1200	Sensitization - Skin [Category 1] Aquatic Hazard (Acute) [Category 3]
Signal Word	WARNING
Hazard Statement(s)	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Harmful to aquatic life.
Pictogram(s) or Symbol(s)	


Precautionary Statement(s):

Prevention	Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid release to the environment. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wash hands and face thoroughly after handling. Wear protective gloves eye protection.
Response	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Storage	Not available.
Disposal	Dispose of contents and container in accordance with local, regional, national regulations.

Section 3: Composition/Information on Ingredients

Substance/Mixture	Substance
Components	Mequinol
% By Weight	>99.0% (GC)
CAS#	150-76-5
Molecular Weight	124.14 g/mole
Chemical Formula	C7H8O2
Synonym(s)	4-Hydroxyanisole , Hydroquinone Monomethyl Ether , MEHQ

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Mequinol	150-76-5	100		

Section 4: First-Aid Measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell
Skin Contact	Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth
Symptoms/Effects	
Acute	Redness.
Delayed	May cause skin sensitization.
Immediate Medical Attention	
Not applicable	

Section 5: Fire-Fighting Measures
Suitable Extinguishing Media

Dry chemical, foam, water spray, carbon dioxide.

Unsuitable Extinguishing Media

Do not use water jet.

Products of Combustion

These products are carbon oxides (CO, CO2).

Firefighters Special Equipment and Precautions

Wear self-contained breathing apparatus if possible.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

Environmental precautions: Prevent product from entering drains. Methods and materials for containment and cleaning up:

Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

Section 7: Handling and Storage

Precautions for safe handling: Handling is performed in a well ventilated place. Wear suitable protective equipment.

Prevent dispersion of dust. Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated. Avoid contact with skin, eyes and clothing. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed. Store in a cool and dark place. Store under inert gas. Store away from incompatible materials such as oxidizing agents. Air-sensitive Packaging material: Comply with laws.

Section 8: Exposure Controls/Personal Protection
Exposure Limits

ACGIH TLV(TWA): 5mg/m³

Engineering Controls

Follow safe industrial engineering/laboratory practices when handling any chemical. Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.

Personal Protection

Respiratory protection: Dust respiratory protection Dust respirator. Follow local and national regulations. Hand protection: Protective gloves. Eye protection: Safety glasses. A face-shield, if the situation requires. Skin and body protection: protective clothing. Protective boots, if the situation requires.

Section 9: Physical and Chemical Properties

Appearance	Solid; white- pale reddish yellow crystal- powder		
Odor	Characteristic		
Odor Threshold	Not available.		
Melting Point	57°C (135°F)	pH	Not available.
Freezing Point	Not available.	Vapor Pressure	Not available.
Boiling Point/Range	243°C (469.4°F)	Vapor Density	4.29
Decomposition temperature	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water	Not available.	Evaporation Rate	Not available.
Flash Point	No data available.	Autoignition temperature	408°C (766°F)
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Partially soluble in cold water. Water: Soluble (40000mg/L, 25°C). Very soluble: Ether, Acetone, Ethyl acetate. Soluble: Methanol, benzene, ethanol. Insoluble: Hexane.		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Stable under proper conditions.
Hazardous Polymerization	No special reactivity has been reported.
Conditions to Avoid	Excessive heat and light. Hygroscopic; keep container tightly closed.
Incompatible Materials	Oxidizing agents, acid chlorides, acid anhydrides, Bases
Hazardous Decomposition Products	Carbon dioxide, carbon monoxide

Section 11: Toxicological Information

RTECS	SL7700000
Acute Toxicity	
Acute Toxicity: ipr-mus LD50:250 mg/kg orl-rat LD50:1600 mg/kg Skin corrosion/irritation: skn-rbt 6 g/12D-I MLD Germ cell mutagenicity: dni-hmn-lym 25 umol/L	
Skin Corrosion/Irritation	
Not available.	
Serious Eye Damage/Irritation	
Not available.	
Respiratory or Skin Sensitization	
Not available.	
Germ Cell Mutagenicity	
Not available.	
Carcinogenicity	
Not available.	
Reproductive Toxicity	
Not available.	
Routes of Entry	
Eye contact. Inhalation. Ingestion.	

Symptoms Related to Exposure

Not available.

Potential Health Effects

Not available.

Target Organ(s)

Not available.

Section 12: Ecological Information**Ecotoxicity**

No data available.

Persistence and Degradability

86% (by BOD), 100% (by HPLC), 99% (by TOC)

Bioaccumulative Potential

9

Mobility in Soil

(log Pow) 1.34 Soil adsorption (Koc): 55.7, 90, 170 Henry's Law: constant (PaM³/mol) 5.41 x 10⁻²

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261. The product should not be allowed to enter the environment, drains, water ways, or the soil.

Disposal of Container

Dispose of as unused product. Do not re-use empty containers.

Other Considerations

Observe all federal, state and local regulations when disposing of the substance.

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States).; DOT (US): Non-hazardous for transportation. IATA: Non-hazardous for transportation. IMDG: Non-hazardous for transportation. This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

Not available.

Other

Not available.

Section 16: Other Information



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Mequinol

30-3544

These chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our MSDS sheets are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated MSDS sheets for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, facial mask, fume hood). For proper handling and disposal, always comply with federal, state, and local regulations.