

MATERIAL SAFETY DATA SHEET

PHENOL DISULPHONIC ACID SOLUTION (25% solution w/v in sulphuric acid) MSDS CAS: 96-77-5

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: PHENOL DISULPHONIC ACID SOLUTION

CAS#: 96-77-5

Synonym: Not Available.

Chemical Name: Phenol Disulphonic Acid Solution

Chemical Formula: Not Applicable.

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: OXFORD LAB FINE CHEM LLP
Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,
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Section 2: Composition and Information on Ingredients

Composition:

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Sulphuric acid	> 75 < 99 %	7664- 93-9	231-639- 5	016-020- 00-8	----	C; R35 ----- Skin Corr. 1A+ _ H314 Eye Dam 1 _ H318

Section 2: Composition and Information on Ingredients

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Phenol	> 10 < 15 %	108-95-2	203-632-7	604-001-00-2	----	Muta. Cat. 3; R68 T; R23/24/25 Xn; R48/20/21/22 C; R34 ----- Acute Tox. 3 (skin) _ H311 Acute Tox. 3 (inhal) _ H331 Acute Tox. 3 (oral) _ H301 Skin Corr. 1B _ H314 Eye Dam 1 _ H318 Muta. 2 _ H341 STOT RE 2 _ H373

Section 3: Hazards Identification

Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification: Muta. Cat. 3; R68 T; R23/24/25 Xn; 48/20/21/22 C; R35

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards: Germ cell mutagenicity - Category 2 - Warning (CLP : Muta. 2) H341

Specific Target Organ Toxicity - Repeated exposure - Category 2 - Warning (CLP :STOT RE 2) H373

Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302

Skin corrosion - Category 1A - Danger (CLP : Skin Corr. 1A) H314

Symbol(s): T : Toxic C : Corrosive

R Phrase(s):

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R35: Causes severe burns.

R48/20/21/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.

R68: Possible risks of irreversible effects.

S Phrase(s):

S4: Keep away from living quarters.

S24: Avoid contact with skin.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash immediately with

S35: This material and its container must be disposed of in a safe way.

Section 3: Hazards Identification (Continued)

S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

S53: Avoid exposure - obtain special instructions before use.

S59: Refer to manufacturer/supplier for information on recovery/recycling.

Contains: Sulphuric acid – Phenol

Labelling Regulation EC 1272/2008 (CLP)

Hazard statements: H314: Causes severe skin burns and eye damage.

H341: Suspected of causing genetic defects.

H302: Harmful if swallowed.

H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

General: P201: Obtain special instructions before use.

Prevention: P280: Wear protective gloves, protective clothing, eye protection, face protection.

P260: Do not breathe dust, fume, gas, mist, vapours, and spray.

P264: Wash thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

Response: P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P308+P313: If exposed or concerned: get medical advice.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P303+P361+P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.

P363: Wash contaminated clothing before reuse.

P314: Get medical advice if you feel unwell.

Storage: P405: Store locked up.

Disposal considerations: P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Contains: Sulphuric acid - Phenol

Other hazards: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Section 4: First Aid Measures

Description of first aid measures

Inhalation: Immediately call a POISON CENTER or doctor. Remove to fresh air and keep at rest in a position comfortable for breathing.

Skin contact: Immediately call a POISON CENTER or doctor. Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing.

Eye contact: Immediately call a POISON CENTER or doctor. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.

Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor.

Most important symptoms and effects, both acute and delayed

Symptoms relating to use: Suspected of causing genetic defects. Causes damage to organ. Causes severe skin burns and eye damage. Swallowing a small quantity of this material will result in serious health hazard.

Indication of any immediate medical attention and special treatment needed

General information: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Section 5: Fire and Explosion Data

Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

Surrounding fires: Use water spray or fog for cooling exposed containers.

Special hazards arising from the substance or mixture

Hazardous combustion products: Under fire conditions, hazardous fumes will be present. Thermal decomposition generates: Corrosive vapours.

Advice for fire-fighters

Protection against fire: Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For emergency responders: Equip clean-up crew with proper protection. Ventilate area.

For non-emergency personnel: Evacuate unnecessary personnel.

Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

Methods and material for containment and cleaning up

Clean up methods: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials

Section 7: Handling and Storage

Precautions for safe handling

Handling: Obtain special instructions before use. Use personal protective equipment as required. Do not breathe dust, fume, gas, mist, vapours, and spray. Avoid contact during pregnancy or while nursing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Technical protective measures: Provide good ventilation in process area to prevent formation of vapour.

Special precautions: Avoid breathing dust, fume, gas, mist, vapours, and spray.

Conditions for safe storage, including any incompatibilities

Storage: Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

Storage regulation: Comply with applicable regulations.

Storage - away from: Strong bases. Strong acids. Sources of ignition. Direct sunlight.

Section 8: Exposure Controls/Personal Protection

Exposure controls

Personal protection: Avoid all unnecessary exposure.

Respiratory protection: Wear approved mask.

Hand protection: Wear protective gloves.

Skin protection: Wear suitable protective clothing.

Eye protection: Chemical goggles or face shield.

Others: When using, do not eat, drink or smoke.

Section 8: Exposure Controls/Personal Protection (Continued)

Control parameters

Occupational Exposure Limits: No data available.

Occupational Exposure Limits: Sulphuric acid : TLV© -TWA [mg/m³] : 1

Sulphuric acid: HTP-värden - 8 H - [mg/m³] : 2

Sulphuric acid: HTP-värden - 15min - [mg/m³] : 1

Sulphuric acid: NGV - [mg/m³] : 1

Sulphuric acid: KTV - [mg/m³] : 3

Sulphuric acid: VLA-ED [mg/m³] : 1

Sulphuric acid: VLA-EC [mg/m³] : 3

Section 9: Physical and Chemical Properties

Physical state at 20 °C	: Liquid.
Colour	: Yellow to brown.
Odour	: Characteristic.
Odour threshold	: No data available.
pH value	: No data available.
Melting point [°C]	: No data available.
Decomposition point [°C]	: Not Available.
Critical temperature [°C]	: No data available.
Auto-ignition temperature [°C]	: No data available.
Flammability (solid, gas)	: Not Available.
Flash point [°C]	: No data available.
Boiling point [°C]	: Not Available.
Initial boiling point [°C]	: No data available.
Final boiling point [°C]	: No data available.
Evaporation rate	: Not Available.
Vapour pressure [20°C]	: No data available.
Vapour pressure mm/Hg	: Not Available.
Vapour density	: Not Available.
Density [g/cm³]	: 1,4
Relative density, gas (air=1)	: Not Available.
Relative density, liquid (water=1)	: Not Available.

Section 9: Physical and Chemical Properties (Continued)

Solubility in water [% weight]: Reacts with water

Solubility in water : No data available.

Log Pow octanol / water at 20°C: No data available.

Solubility : Not Available.

Viscosity at 40°C [mm²/s] : No data available.

Section 10: Stability and Reactivity Data

Reactivity: Not established.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous reactions: Not established.

Conditions to avoid: Direct sunlight. Extremely high or low temperatures.

Incompatible materials

Materials to avoid: Strong acids. Strong bases.

Hazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide.

Thermal decomposition generates: Corrosive vapours.

Section 11: Toxicological Information

Information on toxicological effects

Toxicity information: The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

Acute toxicity

Inhalation: Based on available data, the classification criteria are not met.

Dermal: Based on available data, the classification criteria are not met.

Ingestion: Harmful if swallowed.

Corrosion: Causes severe skin burns and eye damage.

Irritation: Based on available data, the classification criteria are not met.

Section 11: Toxicological Information (Continued)

Sensitization: Based on available data, the classification criteria are not met.

Mutagenicity: Suspected of causing genetic defects.

Carcinogenicity: Based on available data, the classification criteria are not met.

Toxic for reproduction: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: Based on available data, the classification criteria are not met.

Section 12: Ecological Information

Toxicity information: The product has been not fully tested. The calculated risk has been done under the requirements of the EU regulations.

Persistence - degradability: Biodegradable.

Bioaccumulative potential: Not established.

Mobility in soil: Not established.

Results of PBT and vPvB assessment:

The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

Environmental precautions: Avoid release to the environment.

Section 13: Disposal Considerations

Waste treatment methods

General: Avoid release to the environment. Dispose in a safe manner in accordance with Local/national regulations. Dispose of this material and its container to hazardous or special waste collection Point, in accordance with local, regional, national and/or international regulation.

Section 14: Transport Information

Land transport (ADR-RID)

Proper shipping name: CORROSIVE LIQUID, N.O.S.

UN N°: 1760

H.I. nr: 80

ADR - Class: 8

Labelling - Transport: 8 : Corrosive substance.

ADR – Group: II

Sea transport (IMDG) [English only]

Proper shipping name: CORROSIVE LIQUID, N.O.S.

UN N°: 1760

IMO-IMDG - Class or division: 8 : Corrosive substance.

IMO-IMDG - Packing group: II

Air transport (ICAO-IATA) [English only]

Proper shipping name: CORROSIVE LIQUID, N.O.S.

UN N°: 1760

IATA - Class or division: 8 : Corrosive substance.

IATA - Packing group: II

Section 15: Other Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety, health and environmental regulations/legislation specific for the substance or mixture:

Ensure all national/local regulations are observed.

REACH Restrictions - Annex XVII: The components of this product are not subject to restrictions.

REACH Authorisation - Annex XIV: The components of this product are not subject to authorization.

Chemical Safety Assessment: It has not been carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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