

OXFORD LAB FINE CHEM LLP

ISO 9001-2008 Certified Company

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MATERIAL SAFETY DATA SHEET

BENZALKONIUM CHLORIDE POWDER 98% MSDS CAS : 63449-41-2

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name : BENZALKONIUM CHLORIDE POWDER 98%

CAS#: 63449-41-2

C.I. No.: Not available.

Synonym : Not available.

Chemical Name: Not available.

Chemical Formula: C₂₂H₄₀ClO

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: **OXFORD LAB FINE CHEM LLP**
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
BENZALKONIUM CHLORIDE POWDER 98%	63449-41-2	100%

Section 3: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1999/45

Classification : Xn; R21/22
C; R34
N; R50

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

Health hazards : Skin corrosion - Category 1B - Danger (CLP : Skin Corr. 1B) H314
Serious eye damage - Category 1 - Danger (CLP : Eye Dam. 1) H318
Acute toxicity, dermal - Category 4 - Warning (CLP : Acute Tox. 4) H312
Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302

Environmental hazards : Hazardous to the aquatic environment - Acute hazard - Category 1 - Warning (CLP)
: Aquatic Acute 1) H400

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. Specific treatment (see on this label). Wash contaminated clothing before reuse. Remove/Take off immediately all contaminated clothing.

Eye contact

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.

Ingestion :

Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor. Call a POISON CENTER or doctor if you feel unwell.

Section 4: First Aid Measures (Continued)

Most important symptoms and effects, both acute and delayed

Symptoms relating to use : Repeated exposure to this material can result in absorption through skin causing significant health hazard.
Swallowing a small quantity of this material will result in serious health hazard.
Causes severe skin burns and eye damage.
Causes serious eye damage.

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

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 cleanup crew with proper protection.
Ventilate area.

For non-emergency personnel : Evacuate unnecessary personnel.

Section 6: Accidental Release Measures (Continued)

Environmental precautions

Environmental precautions

- : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
- Avoid release to the environment.

Methods and materials for containment and cleaning up

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

Section 7: Handling and Storage

Precautions for safe handling

Handling

- : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash thoroughly after handling. Do not breathe dust, fume, gas, mist, vapours, spray.

Technical protective measures

- : Provide good ventilation in process area to prevent formation of vapour.

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.

Specific end uses

Specific end use(s)

- : None.

Section 8: Exposure Controls/Personal Protection

Personal protection

- Respiratory protection
- Hand protection
- Skin protection
- Eye protection
- Others

- : Avoid all unnecessary exposure.
- : Wear approved mask.
- : Wear protective gloves.
- : Wear suitable protective clothing.
- : Chemical goggles or safety glasses.
- : When using, do not eat, drink or smoke.

Section 8: Exposure Controls/Personal Protection (Continued)

Control parameters

Occupational Exposure Limits : No data available.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state at 20 °C	: Liquid.
Color	: Pale yellow
Odor	: No data available.
Odor threshold	: No data available.
pH value	: No data available.
Melting point [°C]	: N/A
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: N/A
Flammability (solid, gas)	: N/A
Flash point [°C]	: 250°C
Boiling point [°C]	: 100 °C
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: 130 mPa @ 200C
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm3]	: 0,98
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: Slightly soluble in
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: 6-9
Viscosity at 40°C [mm2/s]	: N/A

Section 9: Physical and Chemical Properties (Continued)

Molecular Weight : No data available.

Other information

Explosive properties : N/A

Explosion limits - upper [%] : N/A

Explosion limits - lower [%] : N/A

Oxidizing properties : No data available.

Section 10: Stability and Reactivity Data

Reactivity

Reactivity : Not established.

Chemical stability

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous reactions : Not established.

Conditions to avoid

Conditions to avoid : Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

Incompatible materials

Materials to avoid : Strong acids. Strong bases.

Hazardous decomposition products

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

Section 11: Toxicological Information

Information on toxicological effects.

Acute toxicity

Section 11: Toxicological Information (Continued)

• Inhalation	: Based on available data, the classification criteria are not met.
• Dermal	: Harmful in contact with skin.
• Ingestion	: Harmful if swallowed.
Corrosion	: Causes severe skin burns and eye damage. Causes serious eye damage.
Irritation	: Based on available data, the classification criteria are not met.
Sensitization	: Based on available data, the classification criteria are not met.
Mutagenicity	: Based on available data, the classification criteria are not met.
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	: Based on available data, the classification criteria are not met.
Aspiration hazard	: Based on available data, the classification criteria are not met.

Section 12: Ecological Information

Toxicity

Toxicity information : Very toxic to aquatic life.

Persistence – degradability

Persistence - degradability : Biodegradable.

Bio accumulative potential

Bio accumulative potential : Not established.

Mobility in soil

Mobility in soil : Not established.

Results of PBT and vPvB assessment

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.

Other adverse effects

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, ACIDIC, ORGANIC, N.O.S.
UN N°	: 3265
H.I. nr	: 80
ADR - Class	: 8
Labelling - Transport	: 8 : Corrosive substance.
ADR - Group	: III

Sea transport (IMDG)

Proper shipping name	: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
UN N°	: 3265
IMO-IMDG - Class or division	: 8 : Corrosive substance.
IMO-IMDG - Packing group	: III

Air transport (ICAO-IATA)

Proper shipping name	: BENZALDEHYDE
UN N°	: 3265
IATA - Class or division	: 8 : Corrosive substance.
IATA - Packing group	: III

Section 15: Other Regulatory Information

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

Safety, health and environmental: Ensure all national/local regulations are observed.

**Regulations/legislation specific for
The substance or mixture**

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Section 15: Other Regulatory Information (Continued)

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

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

Chemical Safety Assessment

Chemical Safety Assessment: It has not been carried out.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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