

MATERIAL SAFETY DATA SHEET

BROMOSULPHALEIN **MSDS CAS: 71-67-0**

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: Bromosulphalein

CAS#: 71-67-0

C.I. No.: Not available.

Synonym: Not available.

Chemical Name: Not available.

Chemical Formula: C₂₀H₈O₁₀Br₄S₂Na₂

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 |
|-----------------|---------|-------------|
| BROMOSULPHALEIN | 71-67-0 | 100 |

Section 3: Hazards Identification

Symbol(s): Xn : Harmful

R Phrase(s) : R42/43 : May cause sensitization by inhalation and skin contact.

S Phrase(s) : S22 : Do not breathe dust.

S36/37 : Wear suitable protective clothing and gloves.

Precautionary statements

• **Prevention : P285: In case of inadequate ventilation wear respiratory protection.**

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

P261: Avoid breathing dust, fume, gas, mist, vapours, spray.

P272: Contaminated work clothing should not be allowed out of the workplace.

• **Response : P302+P352: IF ON SKIN : Wash with plenty of soap and water.**

P304+P341: IF INHALED : If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

P333+P313: If skin irritation or rash occurs : Get medical advice.

P342+P311: If experiencing respiratory symptoms : Call a POISON CENTER or doctor.

P363: Wash contaminated clothing before reuse.

• **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.**

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

Eye Contact:

Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

Skin Contact:

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Get medical advice. Wash contaminated clothing before reuse. Wash with plenty of soap and water. If skin irritation or rash.

Serious Skin Contact: Not available.

Section 4: First Aid Measures (Continued)

Inhalation:

If experiencing respiratory symptoms : If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Serious Inhalation: Not available.

Ingestion:

Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

Serious Ingestion: Not available.

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.

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.

Environmental precautions:

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

Section 6: Accidental Release Measures (Continued)

Methods and material for containment and cleaning up:

Clean up methods : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

Section 7: Handling and Storage

Precautions:

Handling : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Avoid breathing dust, fume, gas, mist, vapours, spray. Wash contaminated clothing before reuse.

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

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

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

Section 8: Exposure Controls/Personal Protection

Personal protection: Avoid all unnecessary exposure.

- **Respiratory protection** : In case of inadequate ventilation wear respiratory protection.
- **Hand protection** : Wear protective gloves.
- **Eye protection** : Chemical goggles or safety glasses.
- **Others** : When using, do not eat, drink or smoke.

Section 9: Physical and Chemical Properties

| | |
|-------------------------------|------------------------|
| Physical state and appearance | : Solid. |
| Odor | : Not available. |
| Taste | : Not available. |
| Molecular Weight | : 535.18 g/mole |
| Color | : Light brown (Beige). |

Section 9: Physical and Chemical Properties (Continued)

| | |
|-------------------------------|-----------------------------------|
| pH (1% soln/water) | : Not applicable. |
| Boiling Point | : Not available. |
| Melting Point | : Not available. |
| Critical Temperature | : Not available. |
| Specific Gravity | : Not available. |
| Vapor Pressure | : Not applicable. |
| Vapor Density | : Not available. |
| Volatility | : Not available. |
| Odor Threshold | : Not available. |
| Water/Oil Dist. Coeff. | : Not available. |
| Ionicity (in Water) | : Not available. |
| Dispersion Properties | : See solubility in water. |
| Solubility | : Soluble in water. |

Section 10: Stability and Reactivity Data

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|---|---|
| Stability | : Stable under recommended storage conditions |
| Instability Temperature | : Not available. |
| Conditions of Instability | : Not available. |
| Hazardous reactions | : Not established. |
| Conditions to avoid | : Direct sunlight. Extremely high or low temperatures. |
| Materials to avoid | : Strong acids. Strong bases. |
| Hazardous decomposition products | : Fumes. Carbon monoxide. Carbon dioxide. |

Section 11: Toxicological Information

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

Section 11: Toxicological Information (Continued)

| | |
|--------------------------------------|--|
| Sensitization | : May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| May cause an allergic skin reaction. | |
| 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

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Persistence - degradability: Biodegradable.

Bioaccumulative potential: Not established.

Mobility in soil: Not established.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal: 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)

General information : Not regulated.

Sea transport (IMDG)

Section 14: Transport Information (Continued)

General information : Not regulated.

Air transport (ICAO-IATA)

General information : Not regulated.

Section 15: Other Regulatory Information

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.

Disclaimer:

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