

CHAITANYA CHS, 2<sup>nd</sup> FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.  
CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

**MATERIAL SAFETY DATA SHEET (MSDS)****O-BROMOPHENOL LR****1 - Chemical Product**

Product Name:2-Bromophenol  
Synonym:2-Bromfenol; o-Bromophenol; Phenol, 2-bromo-; Phenol, o-bromo

Cas no:95-56-7

Product Coad: B0049700100

Molecular Formula: C<sub>6</sub>H<sub>5</sub>BrO  
Molecular Weight: 173.01

**2 - COMPOSITION, INFORMATION ON INGREDIENTS**

CAS#	Chemical Name	content	EINECS#
95-56-7	2-Bromophenol	98	202-432-7

**3 - HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

Flammable. Harmful if swallowed. Irritating to eyes, respiratory system and skin.

Potential Health Effects

Eye:Causes eye irritation.

Skin:Causes skin irritation.

Ingestion:May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation:Causes respiratory tract irritation. Vapors may cause dizziness or suffocation.

Chronic:No information found.

**4 - FIRST AID MEASURES**

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

Ingestion:Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

Inhalation:Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

Notes to Physician:Treat symptomatically and supportively.

**5 - FIRE FIGHTING MEASURES**

General Information:As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air.Vapors can travel to a source of ignition and flash back. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Will burn if involved in a fire. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Flammable liquid and vapor.

Extinguishing Media:For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, use water spray, fog, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. Do NOT use straight streams of water.

**6 - ACCIDENTAL RELEASE MEASURES**

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors.

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#### 7 - HANDLING and STORAGE

Handling: Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid breathing dust, vapor, mist, or gas.

Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or

vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame.

Avoid ingestion and inhalation. Use with adequate ventilation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Storage:

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Flammables-area.

#### 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 95-56-7: Russia: 0.3 mg/m<sup>3</sup> TWA Personal Protective Equipment Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

#### 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: clear yellow

Odor: None reported.

pH: Not available.

Vapor Pressure: Not available.

Viscosity: Not available.

Boiling Point: 195 deg C @ 760.00mmHg

Freezing/Melting Point: 5 deg C

Autoignition Temperature: Not applicable.

Flash Point: 42 deg C ( 107.60 deg F)

Explosion Limits, lower: Not available.

Explosion Limits, upper: Not available.

Decomposition Temperature:

Solubility in water: soluble

Specific Gravity/Density: 1.4920g/cm<sup>3</sup>

Molecular Formula: C<sub>6</sub>H<sub>5</sub>BrO

Molecular Weight: 173.01

#### 10 - STABILITY AND REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, ignition sources, excess heat.

Incompatibilities with Other Materials: Acid chlorides, acid anhydrides, oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide, hydrogen bromide.

Hazardous Polymerization: Has not been reported.

#### 11 - TOXICOLOGICAL INFORMATION

RTECS#:

CAS# 95-56-7: SJ7875000 LD50/LC50:

CAS# 95-56-7: Oral, mouse: LD50 = 652 mg/kg.

Carcinogenicity:

2-Bromophenol - Not listed by ACGIH, IARC, or NTP.

Other:

See actual entry in RTECS for complete information.

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**MATERIAL SAFETY DATA SHEET (MSDS)****O-BROMOPHENOL LR****12 - ECOLOGICAL INFORMATION**

Ecotoxicity:

Bacteria: Phytobacterium phosphoreum: EC50 = 20.6-21.2 mg/L; 5,30 min; Microtox test at 15 C

**13 - DISPOSAL CONSIDERATIONS**

Dispose of in a manner consistent with federal, state, and local regulations.

**14 - TRANSPORT INFORMATION**

IATA

Shipping Name: TOXIC LIQUID, ORGANIC, N.O.S.\*

Hazard Class: 6.1

UN Number: 2810

Packing Group: III

IMO

Shipping Name: TOXIC LIQUID, ORGANIC, N.O.S.

Hazard Class: 6.1

UN Number: 2810

Packing Group: III

RID/ADR

Shipping Name: TOXIC LIQUID, ORGANIC, N.O.S.

Hazard Class: 6.1

UN Number: 2810

Packing group: III

**15 - REGULATORY INFORMATION**

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Xi

Risk Phrases:

R 10 Flammable.

R 22 Harmful if swallowed.

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 9 Keep container in a well-ventilated place.

S 16 Keep away from sources of ignition - No smoking.

S 28A After contact with skin, wash immediately with plenty of water.

S 33 Take precautionary measures against static discharges.

WGK (Water Danger/Protection)

CAS# 95-56-7: No information available.

Canada

CAS# 95-56-7 is listed on Canada's NDSL List.

CAS# 95-56-7 is not listed on Canada's Ingredient Disclosure List.

US FEDERAL

TSCA

CAS# 95-56-7 is listed on the TSCA inventory.

**16. Other Information**

**Product Use:** Laboratory Reagent.

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**O-BROMOPHENOL LR**

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

**End of document**