

**1. Identification**

Product Code **CL2804-52**

Product Name **LEAD (II) BROMIDE L.R.**

Molecular Formula  $\text{PbBr}_2$  =367.01

CAS Number 10031-22-8

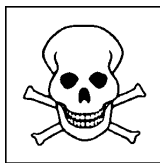
Supplier:  **BEECROFT & PARTNERS**  
 Northfield Road  
 Rotherham  
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 (Have this document to hand)

**2. Composition**

| Component      | CAS No    | EEC No | Conc w/w | Classification & Risk Phrases           | Exp (See 8.1) |
|----------------|-----------|--------|----------|-----------------------------------------|---------------|
| Lead compounds | 6080-56-4 |        | > 98.0%  | T N : R61,R33,R40,R48/22,R50/53,<br>R62 | OES           |

**3. Hazards Identification**

May cause harm to the unborn child. Harmful by inhalation and if swallowed. Danger of cumulative effects. Very Toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. Possible risk of impaired fertility.

**4. First Aid Measures**

**Eyes** Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.

**Skin** Thoroughly wash off skin with soap and water. Remove contaminated clothing immediately and wash before re-use.

**Inhalation** Remove from exposure. Keep warm and at rest. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation. OBTAIN MEDICAL ATTENTION.

**Ingestion** If conscious wash out mouth thoroughly with water and give water or milk to drink. Do not induce vomiting. OBTAIN MEDICAL ATTENTION URGENTLY.

**5. Fire Fighting Measures**

**Hazards** Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire.

**Extinguishing Media** Consider what other flammable materials are present and act accordingly. Use water spray to keep fire exposed containers cool.

**Unsuitable Media** Do not use water jet.

## 6. Accidental Release Measures

|                     |                                                                                                                                                                                      |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal Protection | Evacuate area immediately. Do not allow other people to enter area. Avoid breathing dust-wear respiratory protective equipment.                                                      |
| Enviromental        | Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.                 |
| Major Spillage      | Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer to sealable container for disposal. Carry out this operation under fume extraction. |
| Minor Spillage      | Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer to sealable container for disposal. Carry out this operation under fume extraction. |

## 7. Storage & Handling

|                      |                                                                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling Precautions | Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.<br><br>Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum. |
| Storage Conditions   | Well ventilated, cool, dry storage . Keep well separated from food and food containers.                                                                                         |

## 8.1 Occupational Exposure Limits

| Component      | CAS No    | Occupational Exposure Standard |        |            |        | Maximum Exposure Limits |        |            |        |
|----------------|-----------|--------------------------------|--------|------------|--------|-------------------------|--------|------------|--------|
|                |           | Long Term                      |        | Short Term |        | Long Term               |        | Short Term |        |
|                |           | ppm                            | mg m-3 | ppm        | mg m-3 | ppm                     | mg m-3 | ppm        | mg m-3 |
| Lead compounds | 6080-56-4 | -                              | 0.0500 | -          | -      | -                       | -      | -          | -      |

## 8.2 Personal Protection

|             |                                                                                                                                                                                       |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory | Use L.E.V. or natural ventilation to reduce dust concentrations to a minimum. If not, use a well maintained chemical cartridge respirator, or use self contained breathing apparatus. |
| Hands       | Wear gloves.                                                                                                                                                                          |
| Eyes        | Presents no specific hazard through eye contact although the wearing of safety glasses is advised.                                                                                    |
| Skin        | Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.                                                                    |

## 9. Physical & Chemical Properties

|                       |                             |
|-----------------------|-----------------------------|
| Appearance            | White powder.               |
| Odour                 | No specific odour.          |
| pH                    | Not available               |
| Boiling point         | 999.0 °C C                  |
| Melting point         | 373.0 °C                    |
| Flash point           | Not available               |
| Upper Flammable Limit | Not available               |
| Lower Flammable Limit | Not available               |
| Auto Ignition         | Not available               |
| Explosive properties  | No.                         |
| Oxidising Properties  | No.                         |
| Vapour Presure        | Not available.              |
| Relative Density      | Not available               |
| Water Solubility      | Sparingly soluble in water. |

## 10. Stability & Reactivity

|                                  |                                 |
|----------------------------------|---------------------------------|
| Chemical Stability               | Stable under normal conditions  |
| Conditions to Avoid              | No specific conditions.         |
| Materials to Avoid               | No specific materials to avoid. |
| Hazardous Decomposition Products | Not determined.                 |

## 11. Toxicological Information

|                      |                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eyes                 | Contact with the solid or dust may be irritating to the eyes but unlikely to cause serious injury.                                                                                                                                                                                                                                                                                       |
| Skin                 | Unlikely to be an irritant on brief or occasional exposure.                                                                                                                                                                                                                                                                                                                              |
| LD50 Skin            | Not available                                                                                                                                                                                                                                                                                                                                                                            |
| Ingest               | Moderately toxic by ingestion.                                                                                                                                                                                                                                                                                                                                                           |
| LD50 Ingest          | Not available                                                                                                                                                                                                                                                                                                                                                                            |
| Inhalation           | Inhalation of the dust may cause ultra structural changes to the lungs and effect the central nervous system.                                                                                                                                                                                                                                                                            |
| Carcinogenicity      | No conclusive evaluation of its carcinogenic properties has been made.                                                                                                                                                                                                                                                                                                                   |
| Mutagenicity         | Significant increases in chromosome aberrations have been reported.                                                                                                                                                                                                                                                                                                                      |
| Reproductive Effects | No information is available.                                                                                                                                                                                                                                                                                                                                                             |
| Other Information    | Chronic lead poisoning may occur from dust inhalation. Anaemia and other blood effects are the most common. Early symptoms of poisoning include fatigue, headache, sleep disturbances, aching bones and muscles, gastrointestinal disturbances and reduced appetite. Large doses affect the central nervous system causing severe headaches, convulsions, coma, kidney damage and death. |

## 12. Ecological

Lead salts are harmful to the environment. Very Toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment.

## 13. Disposal Considerations

|                        |                                          |
|------------------------|------------------------------------------|
| Disposal Methods       | Dispose of to a licensed land fill site. |
| Contaminated Packaging | Use a licensed waste disposer.           |

## 14. Transport Information

|                      |                                |
|----------------------|--------------------------------|
| Proper Shipping Name | Lead compound, soluble, n.o.s. |
| UN Number            | 2291                           |
| UN Classification    | 6.1 Toxic                      |
| Subsidiary Risk      | None                           |
| Flash Point          | Not available                  |
| Packing Group        | III                            |
| Marine pollutant     | Yes                            |
| ADR Hazard ID        | 60                             |

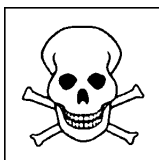


## 15. Regulatory Information

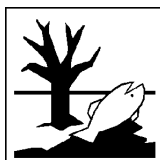
|                |                                       |
|----------------|---------------------------------------|
| Labelling      | Toxic, Dangerous for the Environment. |
| Classification |                                       |

Label Symbols

T



N



|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Risk & safety Phrases | May cause harm to the unborn child. Harmful by inhalation and if swallowed. Danger of cumulative effects. Very Toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment. Possible risk of impaired fertility. Avoid exposure - obtain special instruction before use. In case of accident or if you feel unwell, seek medical advice immediately (show the label). This material and/or its container must be disposed of as hazardous waste. Avoid release to the environment, refer to special instructions/safety data sheet. |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|            |           |
|------------|-----------|
| EEC Number | 233-084-4 |
|------------|-----------|

## 16. Other Information

Document Information      This document has been prepared in accordance with directive 88/379/EEC.

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

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