



Wuhan Xinru Chemical Industry Co., Ltd

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MATERIAL SAFETY DATA SHEET

Product Identification

【Product Name】 Calcium bromide

【CAS】 7789-41-5

【Formula】 Br₂Ca

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【Molecular Weight】 199.88

【EINECS】 232-164-6

【RTECS】 EV9328000

【RTECS Class】 Mutagen

【Merck】 12,1693

【Beilstein/Gmelin】 9281 (G)

Physical and Chemical Properties

【Appearance】 Odorless, white to off-white solid.

【Solubility in water】 590 g/L (20 C)

【Melting Point】 730

【Boiling Point】 810

【Density】 3.353 g/cm³ (20 C)

【Usage】

Substance is used in photography for making dry plates and light-sensitive papers.

First Aid Measures

【Ingestion】



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Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

【Inhalation】

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

【Skin】

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

【Eyes】

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Handling and Storage

【Storage】

Store in a cool, dry, well-ventilated area away from incompatible substances. Store protected from moisture.

【Handling】

Wash thoroughly after handling. Wash hands before eating. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation. Do not allow contact with water. Keep from contact with moist air and steam.

Hazards Identification

【Inhalation】 May cause respiratory tract irritation.

【Skin】 May cause irritation.

【Eyes】 May cause irritation.

【Ingestion】

May cause irritation of the digestive tract. Ingestion of large amounts may cause gastrointestinal irritation.



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Exposure Controls/Personal Protection

【Personal Protection】

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Wear chemical resistant gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

【Respirators】

Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

【Exposure Effects】

The toxicological properties of this substance have not been fully investigated.

【Poison Class】 3

Fire Fighting Measures

【Fire Fighting】

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use agent most appropriate to extinguish fire.

Accidental Release Measures

【Small spills/leaks】

Vacuum or sweep up material and place into a suitable disposal container. Provide ventilation. Do not get water inside containers.

Stability and Reactivity

【Stability】 Stable under normal temperatures and pressures.

【Incompatibilities】 Strong oxidizing agents.

【Decomposition】 Irritating and toxic fumes and gases, hydrogen bromide.