



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Barium Flouride

INGREDIENTS: Barium Flouride

PROUDUCT CLASSFIES AS: NON-HAZARDOUS

WARNING STATEMENT: None considered necessary

SECTION 1 – PHYSICAL/CHEMICAL CHARACTERISTICS

PHYSICAL STATE AND APPEARANCE: Solid.

ODOR: Not available.

TASTE: Not available.

MOLECULAR WEIGHT: 175.34 g/mole

COLOR: Not available.

pH (1% soln/water): Not available.

BOILING POINT: 2137°C (3878.6°F)

MELTING POINT: 1355°C (2471°F)

CRITICAL TEMPERATURE: Not available.

SPECIFIC GRAVITY: 4.89 (Water = 1)

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: Not available.

SOLUBILITY: Very slightly soluble in cold water

SECTION 2 – FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY OF THE PRODUCT: Non-flammable.

AUTO-IGNITION TEMPERATURE: Not applicable.

FLASH POINTS: Not applicable.

FLAMMABLE LIMITS: Not applicable.

PRODUCTS OF COMBUSTION: Not available.

FIRE HAZARDS IN PRESENCE OF VARIOUS SUBSTANCES: Not applicable.

EXPLOSION HAZARDS IN PRESENCE OF VARIOUS SUBSTANCES:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in

presence of static discharge: Not available.
FIRE FIGHTING MEDIA AND INSTRUCTIONS: Not applicable.
SPECIAL REMARKS ON FIRE HAZARDS: Not available.
SPECIAL REMARKS ON EXPLOSION HAZARDS: Not available

SECTION 3 – REACTIVITY DATA

STABILITY: The product is stable.
INSTABILITY TEMPERATURE: Not available.
CONDITIONS OF INSTABILITY: Not available.
INCOMPATIBILITY WITH VARIOUS SUBSTANCES: Not available.
CORROSIVITY: Not available.
SPECIAL REMARKS ON REACTIVITY: Not available.
SPECIAL REMARKS ON CORROSIVITY: Not available.
POLYMERIZATION: Will not occur.

SECTION 4 – HEALTH HAZARD DATA

POTENTIAL ACUTE HEALTH EFFECTS:

Very hazardous in case of skin contact (irritant), of ingestion. Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator). Corrosive to eyes and skin. The amount of tissue damage depends on length of contact. Eye contact can result in corneal damage or blindness. Skin contact can produce inflammation and blistering. Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. Severe over-exposure can produce lung damage, choking, unconsciousness or death.

POTENTIAL CHRONIC HEALTH EFFECTS:

CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.
Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust can produce varying degree of respiratory irritation or lung damage.

SECTION 5 – FIRST AID PROCEDURES

EYE CONTACT:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention.

SKIN CONTACT:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

SERIOUS SKIN CONTACT:

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

INHALATION:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

SERIOUS INHALATION:

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. **WARNING:** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

INGESTION:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

SERIOUS INGESTION: Not available.

SECTION 6 – SPECIAL HANDLING INFORMATION

PRECAUTIONS:

Keep container dry. Do not ingest. Do not breathe dust. Never add water to this product. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

STORAGE: Keep container tightly closed. Keep container in a cool, well-ventilated area.

SECTION 7 – TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Eye contact. Inhalation. Ingestion.

TOXICITY TO ANIMALS: Acute oral toxicity (LD50): 250 mg/kg [Rat].

CHRONIC EFFECTS ON HUMANS: CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH.

OTHER TOXIC EFFECTS ON HUMANS: Very hazardous in case of skin contact (irritant), of ingestion. Hazardous in case of inhalation. Slightly hazardous in case of skin contact (permeator).

SPECIAL REMARKS ON TOXICITY TO ANIMALS: Not available.

SPECIAL REMARKS ON CHRONIC EFFECTS ON HUMANS: Excreted in maternal milk in animal. Passes through the placental barrier in human.

SPECIAL REMARKS ON OTHER TOXIC EFFECTS ON HUMANS: Not available.