

# LOMA LUX<sup>®</sup> MEDICATIONS

## ACUTE TOXICITY

by LOMA LUX<sup>®</sup> LABORATORIES

Primary active ingredient of LOMA LUX<sup>®</sup> tablet is inorganic bromide. (*see Bromide below*)

Primary active ingredients of LOMA LUX<sup>®</sup> Psoriasis are inorganic bromide and nickel. (*see Bromide & Nickel below*)

### **BROMIDE:**

The maximum recommended LOMA LUX<sup>®</sup> dosage is 0.5 mg bromide per kg. This is 50% of the Accepted Daily Intake (ADI) as determined by the W.H.O.<sup>1</sup> Acute toxic reactions in humans have been reported in doses as low as 1000mg.<sup>2</sup> Symptoms may include nausea and vomiting, apathy, disturbed coordination, loss of memory, drowsiness, agitation, hallucination, tremors, stupor and coma. An 8 oz. bottle of LOMA LUX<sup>®</sup> PRODUCTS contains about 1100 mg bromide. A 100-tablet bottle of LOMA LUX<sup>®</sup> PRODUCT contains about 900 mg bromide. ***Thus, acute overdose is unlikely, even with sudden ingestion of an entire bottle.*** However, if this happens in a low weight person (less than 22 kg) or if dehydration accompanies the overdose, caution should be exercised. Seek medical attention. If electrolyte analysis reveals a significant anion gap, rehydration with saline and medical support is recommended. Acute fatalities in man are however unknown. (Oral rat LD50 for sodium bromide is 3500mg/kg.<sup>4</sup>)

### **NICKEL:**

The maximum recommended dosage for liquid LOMA LUX<sup>®</sup> PSORIASIS is 0.020 mg nickel per kg. This is 100% of the long term reference dosage (RFD) for daily intake in the diet as determined by the FDA.<sup>5</sup> The lowest observed transitory toxic effects from human ingestion of soluble nickel salts have been observed at approximately 8 mg nickel per kg body weight.<sup>6</sup> Symptoms may include nausea and vomiting, abdominal discomfort, diarrhea, giddiness, headaches and shortness of breath. An 8 oz. bottle of LOMA LUX<sup>®</sup> PSORIASIS contains about 53 mg nickel. Thus, acute overdose is unlikely except in a very low weight person (less than 7 kg). If overdose is suspected, hydration to induce nickel diuresis and observation is indicated. (The oral rat LD50 for NiSO<sub>4</sub> hexahydrate is 275mg/kg.<sup>7</sup>) LOMA LUX<sup>®</sup> tablet products contain only very small amounts of Nickel. ***Acute nickel toxicity is unlikely even with sudden ingestion of several 100 tablet bottles.***

### **REFERENCES:**

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5. US FDA, Center for Food Safety and Applied Nutrition. Guidance document for nickel in shellfish. 1993
6. Sunderman FW Jr., Dingle B, Hopfer SM, and Swift T. Acute nickel toxicity in electroplating workers who accidentally ingested a solution of nickel sulfate and nickel chloride. American Journal of Industrial Medicine 1988; 14:257-266.
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