Any It is because of the size of the cation, Small size of the cation is stabilised by small size of anion and vice-versa. Size of Lithium ion is very small, so two lithium ion stabilise one oxide ion and form monoxide whereas size of potassium is very large so is is stabilised by two oxygen atoms.

2. Nature of Oxides:

All alkali metals Oxide are basic in nature because on dissolving in water, base is produced

3. Reaction with water:

9 Sodium in stored in kerssene oil not in water. Why?

Ans Sodium reacts with water and produces MaoH
with the release of Hydrogen gas Mis reaction is
highly exothermic, bulk amount of allergy is released.
That's why, it catches fore and not stored in
water

Lithium's reaction with water is less vigorous in

lithium's reaction with water is less vigorous in comparison to sodium it is because of very small size and very large hydration enthalpy of lithium. It is surrounded by Ho molecules and produce bulk amount of energy but do not react with H2O.

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Be ce Be ce ce chain ett. a) Carbonaler: - ()Alkaline larth metal carbonaler are insoluble in valer and their solubility decreasing atomic number of the metal ion. (2) Salts of one acids: -(i) Carbonater decompose on heating to form an onide and Con in released (ii) Beryllium carbonate i unstable and should be kept in the atmosphere of Coa Sulphater: - stable to heat from lawy to Bawy Be soy and Mg soy readily soluble in water belause hydration enthally les on Belo wild Martin Enthalty and Shorting c) Nitrates - Decommend on the Large of the 2 Mo + 4 1200 Mo.

2M (1800 Per Mg, Dage Ba)

(M = Be, Mg, Dage Ba) Anamalous Behaviour of Besyllium Kensons as enceptionally small atomic and b) high ionisation enthalpy c) dostrital not aveilable manimum co-ordination number 4 en its valence-shell hay d) onlder and hydronide of besyllium care auphoresic in nature Diagonal relationship between Beryllium and Aluminium.