

# COMMONLY USED CHEMICALS IN EVERYDAY LIFE

**Baking soda** Sodium Bicarbonate  $\text{NaHCO}_3$  Fire Extinguishers, Baking soda

**Bleaching powder**  $\text{CaOCl}_2$

**Caustic soda** Sodium Hydroxide  $\text{NaOH}$

**Chalk (Marble)** Calcium Carbonate  $\text{CaCO}_3$

**Chloroform** Tri-Choloro Methane  $\text{CHCl}_3$

**Dry Ice** Solid carbon dioxide  $\text{CO}_2$

**Green Vitriol** Ferrous sulphate  $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$

**Gypsum**  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$  Added to Cement to increase its setting time

**Laughing gas** Nitrous oxide  $\text{N}_2\text{O}$

**Lime** Calcium oxide  $\text{CaO}$  Basic lining in furnaces

**Lime Stone** Calcium carbonate  $\text{CaCO}_3$  ( $\text{CaCO}_3$ )  $\gg \text{CaO} + \text{CO}_2$

**Mohr's Salt** Ammonium Ferrous Sulphate  $\text{FeSO}_4(\text{NH}_4)_2\text{SO}_4 \cdot 6\text{H}_2\text{O}$

**Plaster of Paris**  $(\text{CaSO}_4) \cdot 2\text{H}_2\text{O}$  Fractured bones. Fine proofing

**Potash Alum** Potassium Aluminium Sulphate  $\text{K}_2\text{SO}_4 \cdot \text{Al}_2(\text{SO}_4)_3 \cdot 24\text{H}_2\text{O}$

**Potash Ash** Potassium carbonate  $\text{K}_2\text{CO}_3$

**Quick Lime** Calcium oxide  $\text{CaO}$  RDX  $\text{C}_3\text{H}_6\text{N}_6\text{O}_6$

**Rock Salt** Sodium chloride  $\text{NaCl}$

**Silica**  $\text{SiO}_2$  Exists in sand, Flint, Quartz, Opal

**Sodium Thiosulphate** (hypo)  $\text{S}_2\text{O}_3^{2-}$  Used in photography

**Vinegar** Acetic Acid  $\text{CH}_3\text{COOH}$

**Washing soda** Sodium Carbonate  $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$  Softening hard water