



# Product Specification

cdhfinechemical.com

## POTASSIUM CYANATE FOR SYNTHESIS

|                                    |  |
|------------------------------------|--|
| <b>PRODUCT CODE</b>                | <b>024638</b>  |
| <b>SYNONYMS</b>                    | --   |
| <b>C.I. NO.</b>                    | --   |
| <b>CASR NO.</b>                    | <b>(590-28-3)</b>  |
| <b>ATOMIC OR MOLECULAR FORMULA</b> | <b>KOCN</b>  |
| <b>ATOMIC OR MOLECULAR WEIGHT</b>  | <b>81.12</b>   |
| <b>PROPERTIES</b>                  | <b>Soluble in water, very slightly soluble in alcohol.</b> |

## KOCN

| <b>PARAMETER</b>              | <b>LIMIT</b>                                   |
|-------------------------------|--|
| Description                   | White fine crystalline powder.                 |
| Solubility                    | 10% solution in water is clear and colourless. |
| Minimum Assay (Argentometric) | 97.00%   |

### MAXIMUM LIMIT OF IMPURITY

|                   |      |
|-------------------|------|
| Potassium cyanide | 1.0% |
|-------------------|------|

**Note(s) : Assay (if applicable) method mentioned.**

#### WARNING

**Hazard statements :** Harmful if swallowed.

#### Precautionary statements

**Prevention :** Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

**Response :** Specific treatment: refer to Label or MSDS.

IMDG Code :  
UN No. :  
IATA :

**Disposal:** The waste chemical should be buried on a stage approved site .The liquids should be absorbed on sand. Disposal of small quantities of cyanide residues (and mercaptans ) is done as follows. Dissolve the residues in water ,ensuring that concentration of solution is not more than 5%. Add 10-15% sodium hypochlorite solution with stirring until excess hypochlorite is indicated by the solution turning starch iodide paper to a definite blue colour. Add a further small volume of hypochlorite solution and leave to stand aside for 24 hours. Recheck the excess of hypochlorite with starch-iodide paper and if the test is positive then wash the treated away solution with large amounts of water. If the test if negative then repeat the treatment with hypochlorite solution until detoxification is completed.

**Hazard Pictogram(s) :**



Skin irritation